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FIELD SERVICE MANUAL, 1914.

40
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2061

INFANTRY BATTALION.

(EXPEDITIONARY FORCE.)

NOTE.—Field Service Manuals are not the authority for the supply of war outfit of units. The details, laid down in latest Mobilization Store Tables, Equipment Regulations, Clothing Regulations, &c., will be followed.

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(*a*) *See also* Section 3.

Section 1.—General Notes.

1. Basis of establishment and outfit.—The tables contained in this Manual are drawn up on the basis of a campaign in a civilized country, and in a temperate climate. When mobilization is for a campaign under different conditions, certain modifications will become necessary, and will be notified from the War Office.*

2. War establishment.—The normal war establishment of an infantry battalion, showing its composition as regards personnel and animals, is given in Section 2, and no men or horses in excess of the "total battalion" will be allowed to accompany the unit in the field, except as provided for in para. 9 and footnote.†

The transport officer shown in italics (p. 8), is not included as such in the total battalion, but forms part of the company establishment of officers.

For purposes of administration, the details of battalion headquarters including the machine gun section (other than the battalion commander, senior major, adjutant, medical officer and quartermaster) are posted to companies of the battalion as supernumerary to the establishment of platoons. Their distribution is at the discretion of the battalion commander, but should be so arranged that the numbers so posted to companies shall be approximately equal.

With the exception of the warrant officer and staff serjeants, the details of the battalion headquarters and machine gun section (other than officers) will sleep and mess with their companies, or otherwise as the battalion commander may direct.

3. Transport.—The transport of a battalion is shown after its war establishment. The transport is divided in the field as follows :—

1st line.—(which always accompanies the battalion on the march): S.A.A. and water carts; G.S. limbered wagons for tools; Maltese cart; limbered wagon for machine guns; pack and spare animals; and cooks' wagon or travelling kitchens.

Train transport (under the A.S.C.): G.S. Wagons.

The four G.S. wagons, train transport, are numbered consecutively and allotted as follows :—

Baggage section.—Nos. 1 and 2, baggage and general stores.

No. 1 carries for "A" and "B" companies and attached details, and No. 2 carries for "C" and "D" companies and attached details. In addition the wagons share the balance of regimental equipment, not belonging to companies.

Supply section.—Nos. 3 and 4, supplies.

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* This manual has been based on War Establishments, Part I, Expeditionary Force, 1914, and on A.F. G.1098-43 dated February, 1914.

† In the case of units which have not exchanged their cooks' wagon for 4 travelling kitchens, the establishment will be decreased by 3 drivers and 6 draught horses.

A.S.C. drivers.—The train transport is provided by the Army Service Corps. When in the field, rations, &c., for these men and horses are carried by the company of the train to which the men and horses belong.

Spare drivers for train transport are included in the war establishment of the Army Service Corps company of the train to which the drivers belong. One man per wagon and one N.C.O. per battalion will be detailed to accompany the train wagons of the unit.

The personnel and animals of the A.S.C. train transport allotted to the battalion will accompany it by rail and oversea, joining the A.S.C. train on arrival in the area of concentration.

4. Horses, spare.—Spare draught horses are allowed at the rate of 10 per cent. A driver is allowed for each pair of spare horses.

Veterinary arrangements.—The horses and transport animals of an infantry battalion belonging to a division are in the veterinary charge of the veterinary officer with the Infantry Brigade Headquarters. Those of the battalion with army troops are in charge of the veterinary officer with the army troops train. The director of veterinary services or his representative with the headquarters of the inspector-general of communications will detail a veterinary officer to take charge of the animals of a battalion on the lines of communication.

Shoeing.—The shoeing of horses and transport animals will be carried out by the battalion cold shoers, assisted by the farriers of the Army Service Corps company to which the train drivers of the battalion belong.

5. Medical and sanitary arrangements.—An officer for medical charge, and rank and file for water duties, &c., are provided by the R.A.M.C. One N.C.O. and eight privates per battalion are trained in sanitary duties. On arrival in camp, billets, or bivouac, they are available for sanitary duties, and are placed under the orders of the medical officer for camp sanitation purposes, working in conjunction with the R.A.M.C. personnel attached. At all other times they take their places in the ranks.

6. Bâtmen.—Bâtmen in the field are allowed at the rate of one for each dismounted officer, or mounted officer with one horse, and two for each mounted officer with two horses.

All bâtmen are fully armed and trained soldiers, and are available for duty in the ranks.

7. Reinforcement.—Drafts to replace wastage are calculated for infantry at the rate of 44 per cent. for the first six months, or 80 per cent. during the first year of a war. The first portion of these drafts is known as "first reinforcement," and is calculated at 10 per cent. of rank and file. The first reinforcement mobilizes with the battalion, but, unless otherwise ordered, will not accompany it when it leaves its place of mobilization. Special instructions will be issued for the movement of these details.

Other details shown in the table as "left at the base" also mobilize with the battalion; the orderly room serjeant is detached

to join the A.G's office at the base; the remainder are attached with the first reinforcement to one of the infantry base depôts.

8. War outfit.—War outfit is the material of all kinds which a unit requires for war.

The method of carrying it is laid down in Sections 3–7.

(*a*) **Ordnance stores.**—The ordnance stores required on mobilization are laid down in the mobilization store table for an infantry battalion (expeditionary force).

(*b*) **Clothing and necessaries.**—The clothing and necessaries required on mobilization are detailed in the Regulations for the Clothing of the Army, Part III.

(*c*) **Supplies; and medical equipment.**—Details of the scale of supplies will be found in War Establishments and Allowance Regulations; medical equipment in Regulations for the Medical Services of the Army.

(*d*) **Stationery.**—The stationery considered necessary for an infantry battalion in the field is shown in "Tables of Books, Army Forms and Stationery taken into the field by units of the Expeditionary Force," issued with Army Orders. A list of contents is pasted inside the lid of each stationery box.

9. Blankets.—Blankets for personnel are not included in the normal scale of war outfit; but, when specially ordered, one blanket per man will be carried. This necessitates an addition of two G.S. wagons to the normal scale of transport; the extra personnel, horses and vehicles required, are shown in a note on the War Establishment table (page 11). The blankets may be distributed, as found convenient, between the additional G.S. wagons and Nos. 1 and 2 G.S. wagons allotted for the carriage of baggage and stores.

10. Replenishment of stores.—General requisites, such as spare parts, and materials for repair, are calculated on the assumption that it will be possible to replenish them at intervals of about a fortnight.

11. Mobilization.—The arrangements for bringing a battalion up to War Establishment in men and horses, and for the completion of its war outfit are laid down in Mobilization Regulations.

Orders for movement, when mobilization is complete, will be issued from the War Office to General Officers Commanding-in-Chief.

Section 2.—WAR ESTABLISHMENT AND TRANSPORT.

An Infantry Battalion.

War Establishment.

Detail.	Personnel.						Horses and Cobs.					Bicycles.	Remarks.
	Officers.	Warrant officers.	Staff-serjeants and serjeants.	Drummers or buglers.	Rank and file.	Total.	Riding.	Draught.	Heavy draught.	Pack cobs.	Total.		
Headquarters (excluding attached)	4	1	8	...	61	74	7	22	...	1	30	9	For transport *see* p. 11.
,, attached	1	...	1	...	5	7	1	...	...	...	1	...	(*a*) 1 N.C.O. and 8 men are trained in sanitary duties.
Machine-gun section	1	...	1	...	16	18	1	4	...	...	5	...	
4 companies	24	...	40	16	828	908	4	...	8	8	20	...	(*b*) Battalions which have an authorized peace establishment of pipers will have 1 serjeant-piper and 5 pipers in addition.
Total battalion (excluding attached) ...	29	1	49	16	905	1,000	12	26	8	9	55	9	
,, ,, (*a*) (including attached) ...	30	1	50	16(*b*)	910	1,007	13	26	8	9	56	9	

Details left at the Base.

(Not included in the above totals.)

Storemen, first reinforcement, &c.	1	...	4	...	93	100	...	...	...	...	...	...	

An Infantry Battalion—*continued.*

COMPOSITION IN DETAIL.

(i) *Personnel, Horses and Cobs.*

Detail.	Personnel.						Horses and Cobs.					Bicycles.	Remarks.
	Officers.	Warrant officers.	Staff-serjeants and serjeants.	Drummers or buglers.	Rank and file.	Total.	Riding.	Draught.	Heavy draught.	Pack cobs.	Total.		
Headquarters.													
Lieutenant-colonel	1	...	...	...	...	1	2	...	...	...	2	...	
Major	1	...	...	...	...	1	1	...	...	...	1	...	
Adjutant	1	...	...	...	...	1	1	...	...	...	1	...	
Quartermaster	1	...	...	...	...	1	1	...	...	...	1	...	
Transport officer (*c*)	...	...	...	...	...	...	1	...	...	...	1	...	
Serjeant-major	...	1	...	...	...	1	...	...	...	...	...	...	
Quartermaster-serjeant	...	...	1	...	...	1	...	...	...	...	...	...	
Orderly-room clerk (*d*)	...	...	1	...	...	1	...	...	...	...	...	...	
Serjeant-drummer	...	...	1	...	...	1	...	...	...	...	...	...	
Serjeant-cook	...	...	1	...	...	1	...	...	...	...	...	...	
Transport-serjeant	...	...	1	...	...	1	1	...	...	...	1	...	
Serjeant-shoemaker	...	...	1	...	...	1	...	...	...	...	...	...	
Drivers (1st line transport), for vehicles	...	...	...	...	9	9	...	18	...	...	18	...	
Drivers (1st line transport), for spare animals	...	...	...	...	2	2	...	3	...	1	4	...	
Batmen (*e*)	...	...	...	...	6	6	...	...	...	...	...	...	
Pioneers—													
Pioneer-serjeant	...	...	1	...	...	1	...	...	...	...	...	...	
Pioneers	...	...	...	...	10	10	...	...	...	...	...	...	
Signallers—													
Serjeant	...	...	1	...	...	1	...	...	...	...	...	...	

Corporal	...	...	...	...	...	...	...	...	...	...	1	1	..	...	...	...	...	...
Privates	...	...	...	...	...	...	...	...	...	...	(*f*)15	15	...	...	...	...	...	9
Stretcher bearers (*j*)	...	...	...	...	...	...	...	...	...	...	16	16	...	...	...	...	...	...
Orderlies for medical officer (*g*)	...	...	...	...	...	...	...	...	...	...	2	2	...	1	...	...	1	...
Total	...	...	...	...	..		4	1	8	...	61	74	7	22	...	1	30	9
Attached :—																		
R.A.M.C. includes personnel for water duties)	...	...	...	...	...	...	1	...	...	...	5(*h*)	6	1	...	...	...	1	...
Armourer	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...
Drivers, A.S.C. (train transport)	...	...	...				...	...	...	...	4	4	...	...	8	...	8	...
Total headquarters (including attached)...							5	1	9	...	66	81	8	22	...	1	31	9
Machine-gun section.																		
Subaltern	...	...	...	...	...	...	1	...	...	...	...	1	1	...	...	...	1	...
Serjeant	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...
Corporal	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Privates	...	...	...	...	...	...	...	...	...	...	12	12	...	...	...	...	...	...
Drivers (1st line transport)		...	...	...	...		...	...	...	...	2	2	...	4	...	...	4	...
Batman (*e*)	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Total machine-gun section...		...	...				1	...	1	...	16	18	1	4	...	...	5	...
Company.																		
Major (or captain) commanding	...	...	...				1	...	...	...	...	1	1	...	...	...	1	...
Captain (2nd in command)		...	...	...			1	...	...	...	...	1	...	...	...	...	...	...
Subalterns	...	...	...	...	...	...	4	...	...	...	...	4	...	...	...	...	...	...
Company serjeant-major	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...
Company quartermaster-serjeant		...	...	...	...		...	...	1	...	...	1	...	...	...	...	...	...
Serjeants	...	...	...	...	...	...	...	...	8	...	...	8	...	...	...	...	...	...
Drummers or buglers		...	...	...	...		...	...	...	4	...	4	...	...	...	...	...	...
Corporals	...	...	...	...	...	..	...	...	...	...	10	10	...	...	...	...	...	...

A company is commanded by a major or mounted captain, with a captain as second in command. It consists of 4 platoons, each commanded by a subaltern, with a serjeant as second-in-command. Each platoon is divided into 4 sections, each consisting of 12 or 13 N.C.O.'s and men, under the senior N.C.O.

An Infantry Battalion—*continued.*

Composition in Detail—*continued.*

(i) *Personnel, Horses and Cobs*—continued.

Detail.	Personnel.						Horses and Cobs.					Bicycles.	Remarks.
	Officers.	Warrant officers.	Staff-serjeants and serjeants.	Drummers or buglers.	Rank and file.	Total.	Riding.	Draught.	Heavy draught.	Pack cobs.	Total.		
Privates	...	...	...	...	188	188	...	...	...	...	...	...	
Drivers (1st line transport)	...	...	...	...	3	3	...	...	2	2	4	...	
Bâtmen (*e*)	...	...	...	...	6	6	...	...	...	...	...	...	
Total company (*j*)	6	...	10	4	207	227	1	...	2	2	5	...	

(*c*) One subaltern of the battalion will act as transport officer.

(*d*) The orderly-room clerk may be of the rank of corporal, in which case he will be deducted from the serjeants and added to the rank and file.

(*e*) Bâtmen are fully armed and trained soldiers, and are available for duty in the ranks.

(*f*) 7 may be lance-corporals.

(*g*) Two men (one a lance-corporal), trained for the duties, will be placed under the orders of the medical officer. The private drives the cart for medical equipment.

(*h*) Includes a corporal.

(*j*) On mobilization the band of a Line battalion is broken up: those bandsmen not required as stretcher bearers being distributed among the companies. A battalion of Foot Guards has no band. The two extra company serjeant-majors of a battalion of Foot Guards will, on mobilization, replace the serjeant and corporal of the band. Eight rank and file are trained in semaphore signalling.

Note.—The above establishment includes 8 lance-serjeants (2 per company) and 49 lance-corporals, including orderly for medical officer with headquarters (and signallers).

Details left at the Base.

Orderly-room-serjeant	...	...	*1*	...	...	} 100	...	...	...	...	...	...	
Serjeant of the band	...	...	1	...	...		...	...	...	...	...	...	
Serjeant-tailor	...	...	1	...	...		...	...	...	...	...	...	
Storemen	...	...	...	...	4(*k*)		...	...	...	...	...	...	
First reinforcement...	1	...	2	...	91		...	...	...	...	...	...	

(*k*) One storeman will mobilize with each company.

(ii) *Transport.*

Detail.	Vehicles.	Drivers.	Horses and Cobs. Draught.	Heavy draught.	Pack Cobs.	Remarks.
1st line.						
Headquarters ... ... — bicycle, for signallers	9	...	...	...	...	
Headquarters ... ... — carts, S.A.A.	5	5	10	...	...	
Headquarters ... ... — carts, Maltese, for medical equipment	1	1 (*l*)	1	...	...	(*l*) Medical officer's orderly.
Headquarters ... ... — carts, water	2	2	4	...	...	
Headquarters ... ... — wagons, limbered, G.S., for tools ...	2	2	4	...	...	
Headquarters ... ... — drivers for spare animals	...	2	3	...	1	
Machine-gun section ... — wagon, limbered, G.S., for 2 machine-guns, tripods and ammunition ...	1	1	2	...	...	
Machine-gun section ... — cart, S.A.A....	1	1	2	...	...	
4 companies ... ... — pack cobs, for ammunition (2 per company)...	...	8	...	...	8	
4 companies ... ... — travelling kitchens (1 per company) (*m*)...	4	4	...	8	...	(*m*) Battalions which do not possess travelling kitchens will have in lieu 1 wagon, G.S., for cooks, with 1 driver and 2 heavy draught horses.
Train.						
Headquarters ... ... — *wagons, G.S., for baggage, stores, and supplies ... ...*	4	4 (*n*)	...	8	...	(*n*) Provided by the Army Service Corps.
Total	25	26	26	8	9	

NOTE.—When specially ordered, one blanket per man is carried, and 2 G.S. wagons in addition will be required. For these vehicles, 2 extra A.S.C. drivers and 4 extra heavy draught horses will be added to the train transport of the battalion.

Section 3—FIELD KITS.

A.—Mounted Officers.

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
A.—Clothing Worn by the Officer.				
Boots, ankle ... ... pair	1	2	11	
Braces ... ... ,,	1	0	4	
Cap, service dress (or glengarry), with badge	1	0	9	
Disc, identity, with cord ...	1	0	0½	
Leggings ... ... pair	1	0	13	
Socks ... ... ,,	1	0	4	
Spurs ... ... ,,	1	0	12	
Suit, service dress (jacket and riding breeches)	1	4	13	
Underclothing ... ... suit	1	3	0	
Total (A)	—	13	2½	
B.—Other Personal Effects.				
Books, {A.B. 155	1	1	0	
Books, {Field Service Pocket Book...	1	0	6½	
Cap, comforter (in pocket of great coat)	1	0	3½	
Compass, magnetic, pocket (or prismatic, in case)	1	0	4	
Dressing, field (in skirt of jacket)	1	0	2	
Glasses (binoculars or telescope; or both, in one case) ...	1	2	0	Slung from left shoulder.
Grease (or vaseline) in wallets tin	1	0	2	
Greatcoat	1	7	1½	Rolled, 26 inches long.
Handkerchief	1	0	2	behind saddle.
Holdall (in wallets); containing **knife, fork** and **spoon, hairbrush** and **comb, tooth brush, shaving brush** and **razor**	1	1	3	

A.—Mounted Officers—*continued.*

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
B.—Other Personal Effects—*continued.*				
Knife, clasp, with ring and swivel	1	0	6	
Map...	1	0	2	
Matches ... ... box	1	0	1	
Soap (in wallets)... ... piece	1	0	3	
Socks (,,) ... pair	1	0	4	
Towel (,,)	1	0	13	
Watch (in wrist strap)	1	0	4	
Whistle and **lanyard**	1	0	2½	
Total (B)	—	14	12	
C.—Accoutrements (Sealed Pattern).				
Bag, ration	1	0	4	
Belt, "Sam Browne" (waist-belt, 2 shoulder belts, ammn. pouch, pistol case, and sword frog)	1	2	0	
Haversack	1	0	11	
Mess-tin	1	1	9*	* Fastened by off bag-gage strap to off side of saddle.
Sword knot	1	0	1½	
Waterbottle (aluminium) and sling	1	0	14	
Total (C)	—	5	7½	
D.—Arms.				
Pistol (no special pattern, but must carry government ammunition)	1	2	3	On left side of S.B. belt.
Sword	1	2	1½	On near shoecase, edge to rear.
Scbbard, leather	1	0	9½	
Total (D)	—	4	14	
E.—Ammunition.				
Cartridges, S.A. ball, pistol, Wdey	12	0	9½	

A.—Mounted Officers—*continued.*

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
F.—Rations and Water.				
Bread ration (unconsumed portion) ... ... say	—	0	12	
Cheese	—	0	3	
*Iron Ration: **Biscuit**	—	0	12	
*Iron Ration: **Preserved Meat** (nominal)	—	1	0	
*Iron Ration: **Tea** ... ⅛ oz.				
*Iron Ration: **Sugar** ... 2 oz.				
*Iron Ration: **Salt** ... ½ oz.	in tin	—	—	6½
*Iron Ration: **Cheese**	—	0	3	
*Iron Ration: **Meat Extract**, cubes	2	0	1	
Water ... ... pints	2½	2	13	
Total (F)	—	6	2½	
G.—†Saddlery, Picketing Gear, Stable Necessaries, etc.				
‡**Bag, nose**, G.S., with 6 lbs. corn	1	7	0	
§**Brush**, horse	1	0	10	
Pad, surcingle	1	0	10	
§**Peg**, picketing	1	1	3	
Ropes, heel‖	1	0	11	
Ropes, picketing	1	0	15	
Rubber, horse	1	0	10	
Saddlery, complete, with bridle and head rope ... set	1	33	12	
Shoe cases, each with shoe and nails	2	3	4	
Total (G)	—	48	11	
Total Weight Carried on the Horse.				
A.—Clothing	—	13	2½	
B.—Other personal effects ...	—	14	12	
C.—Accoutrements	—	5	7½	
D.—Arms	—	4	14	
E.—Ammunition	—	0	9½	
F.—Rations and water	—	6	2½	
G.—Saddlery, picketing gear, stable necessaries, etc.	—	48	11	
H.—Rider ... ... say	—	150	0	
Total on horse ...	—	243	1	Say 17½ st.

*Normally one iron ration will be carried, and a second iron ration when specially ordered. The components of these rations will be distributed in the officer's equipment as found most convenient.

† In addition to this list, officers may, at their own discretion, provide a **despatch** or a **saddle-bag**. If an officer is allowed more than one horse, the saddle-bag can be carried on the spare horse.

‡ When empty, on the off shoecase fastened to the baggage strap. When oats are carried, the strap of the nosebag must be fastened to the back arch of the saddle.

§ The method of carrying the horse brush and rubber is left to the discretion of the O.C. except that these articles are not to be carried in the nose-bag.

‖ Heel ropes are allowed for use with restive horses on a scale of 25 per cent. An additional peg is issued with each heel rope. The picketing peg is strapped on the sword scabbard. The heel rope, when carried, is folded flat and placed between the cantle of the saddle and the greatcoat.

¶ Excludes weight of saddle blanket. Saddle blankets for officers' horses are carried in transport vehicles on the march.

Carried in Train Transport.

The following list is drawn up as a general guide, and the articles in it may be varied, but the total weights (excluding articles in camp kettles) of 50 lbs. for a commanding officer, or 35 lbs. for other officers, must not be exceeded :—

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
A.F. B 122 (cover and pad.) Field conduct book	*1*	*0*	*11*	*Company commanders only.*
A.F. 6 (cover) A.F. N 1513. Acquittance roll	*1*	*0*	*15*	*Company commanders only.*
Boots, ankle ... ... pair	1	2	11	
Bucket, canvas	1	1	4	*In Camp Kettle.*
Housewife	1	0	4	
Lantern, collapsible, with talc sides	1	0	12	One camp kettle is allowed for every 3 officers, who pack into it—each:—
Leggings ... ... pair	1	0	13	
Portfolio, with writing materials	1	1	0	**Cup,** enamelled ... 1
Shoes, canvas ... ... pair	1	1	5	**Plates,** enamelled... 2
Socks ... ... ,,	1	0	4	**Pots,** pepper ... 1; salt... ... 1
Suit, service dress	1	4	13	
Towels	2	1	10	The weight of these articles is not included in the 50 or 35 lbs. allowed to each officer.
Underclothing ... ... suit	1	3	0	
Valise, Wolseley (or other pattern)	1	11	3	If preferred, officers may take private cooking apparatus *in lieu* of camp kettles. In this case an extra baggage allowance of 6 lbs. per officer will be admitted.
Total	—	28	15	

OTE.—Officers may leave at the base a bullock trunk packed with 100 lbs. of nal baggage. This reserve baggage will be forwarded only when it may be ed convenient to the service by the Commander-in-Chief.

B.—Dismounted Officers.

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
A.—Clothing Worn by the Officer.				
*Boots, ankle ... ... pair	1	2	11	* Officers of kilted regiments wear in lieu— Apron, Garters, Hosetops, Kilt, Shoes, Spats, which add about 1 lb. 12 oz. to the weight of the clothing
*Braces ... ... ,,	1	0	4	
Cap, service dress (or glengarry) with badge	1	0	9	
Disc, identity, with cord ...	1	0	0½	
Puttees ... ... pair	1	0	13	
Socks ... ... ,,	1	0	4	
*Suit, service dress	1	4	13	
Underclothing ... ... suit	1	3	0	
Total (A)	—	12	6½	
B.—Other Personal Effects Carried by the Officer.				
Books, A.B. 153	1	0	10	
Books, Field Service pocket book	1	0	6½	
Cap, comforter (in pocket of greatcoat)	1	0	3½	
Compass, magnetic, pocket (or prismatic, in case)	1	0	4	
Dressing, field (in skirt of jacket)	1	0	2	
Glasses (binoculars or telescope, or both, in one case) ...	1	2	0	
Greatcoat...	1	7	1½	
Handkerchief	1	0	2	
Knife, clasp, with ring and swivel	1	0	6	
Map...	1	0	2	
Matches ... ... box	1	0	1	
Watch (in wrist strap)	1	0	4	
Whistle, and lanyard	1	0	2½	
Total (B)	—	11	13	
C.—Accoutrements (Sealed Pattern).				
Bag, ration	1	0	4	
Belt, Sam Browne, complete (waistbelt, 2 shoulder belts, sword frog, ammunition pouch, pistol case)	1	2	0	
Carrier, greatcoat, and coat straps	1	0	9	
Haversack	1	0	11	

B.—Dismounted Officers—*continued.*

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
C.—Accoutrements (Sealed Pattern)—*continued.*				
Mess-tin	1	1	9	
Sword knot	1	0	1½	
Waterbottle (aluminium) and sling	1	0	14	
Total (C)...	—	6	0½	
D.—Arms.				
Pistol (no special pattern, but must carry Government ammunition)	1	2	3	
Sword	1	2	1½	
Scabbard (leather)	1	0	9½	
Total (D)	—	4	14	
E.—Ammunition.				
Cartridges, S.A., ball, pistol, Webley ... ... rounds	12	0	9½	
F.—Rations and Water.				
Bread ration, unconsumed portion; say	—	0	12	
Cheese	—	0	3	
*Iron Ration: **Biscuit**	—	0	12	* Normally one iron ration will be carried, and a second iron ration when specially ordered. The components of these rations will be distributed in the officer's equipment as found most convenient.
*Iron Ration: **Preserved meat** (nominal)	—	1	0	
*Iron Ration: **Tea** ... ⅛ oz. / **Sugar** 2 oz. / **Salt** ... ½ oz. — in tin	—	—	6½	
*Iron Ration: **Cheese**	—	0	3	
*Iron Ration: **Meat extract** cubes	2	0	1	
Water ... ... pts.	2¼	2	13	
Total (F)	—	6	2½	
Total Weight Carried on the Person.				
A.—Clothing	—	12	6½	
B.—Other personal effects ...	—	11	13	
C.—Accoutrements	—	6	0½	
D.—Arms	—	4	14	
E.—Ammunition	—	0	9½	
F.—Rations and water	—	6	2½	
Total carried	—	41	14	

B.—Dismounted Officers—*continued.*

Carried in Train Transport.

The following list is drawn up as a general guide, and the articles in it may be varied, but the total weights (excluding articles in camp kettles) of 50 lbs. for a commanding officer or 35 lbs. for other officers, must not be exceeded :—

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
A.F. B 122 (Cover and pad). Field conduct book	*1*	*0*	*11*	*Company commanders only.*
A.F. 6 (Cover) A.F. N 1513 (pad). Acquittance roll...	*1*	*0*	*15*	
Boots, ankle ... ... pair	1	2	11	*In Camp Kettle.*
Bucket, canvas	1	1	4	
Grease (or vaseline) ... tin	1	0	2	One camp kettle is allowed for every 3 officers who will pack into it—each:—
Holdall, (containing **hairbrush** and **comb**, **toothbrush**, **shaving brush** and **razor**)	1	1	0	
Housewife	1	0	4	**Cup**, enamelled ... 1
Lantern, collapsible, with talc sides	1	0	12	**Fork**, table... ... 1 **Knife**, table ... 1
Puttees ... ... pair	1	0	13	**Plates**, enamelled... 2
Portfolio, with writing materials	1	1	0	**Pots**, pepper ... 1 salt... ... 1
Shoes, canvas ... ... pair	1	1	5	
Soap ... ... piece	1	0	3	**Spoon**, table ... 1
Socks ... ... pairs	2	0	8	The weight of these articles is not included in the 50 or 35 lbs. allowed to each officer.
Suit, service dress	1	4	13	
Towels	2	1	10	
Underclothing ... ... suit	1	3	0	
Valise (Wolseley) or other pattern	1	11	3	If preferred, officers may take private cooking apparatus *in lieu* of camp kettles. In this case an extra baggage allowance of 6 lbs. per officer will be admitted.
Total	—	30	8	

Note.—Officers may leave at the base a bullock trunk packed with 100 lbs. of personal baggage. This reserve baggage will be forwarded only when it may be deemed convenient to the service by the Commander-in-Chief.

C.—Warrant Officers, Non-Commissioned Officers, and Men (Dismounted).

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
A.—Clothing, Etc., worn by the Soldier.				* For kilted regiments substitute:—
***Boots**, ankle ... ... pair	1	4	0	
***Braces** ... ... ,,	1	0	4½	
Cap, service dress or (glengarry), with badge	1	0	9	
Disc, identity, with cord ...	1	0	0¼	
***Drawers**, woollen ... pair	1	1	0½	
Jacket, service dress,† and metal titles, with **field dressing** ...	1	2	8	
Knife, clasp, with marline spike and tin-opener	1	0	8	
Paybook (in right breast pocket of S.D. jacket)	1	0	2	
***Puttees** ... ... pair	1	0	13	
Shirt	1	1	2	
Socks ... ... pair	1	0	4¼	
***Trousers**, service dress† ,,	1	2	0¼	
Waistcoat, cardigan	1	1	7	
Total (A)	—	14	11	
B.—Arms. ‡				‡ Rangetakers and pipers are armed with pistols.
Rifle, with oil-bottle, pull-through, and sling	1	8	15¾	Drummers and buglers are unarmed. Men of the M.G. detachments will place their rifles in the limbered wagon when the M.G is removed. Men leading pack animals will carry their rifles slung.
Bayonet and scabbard	1	1	8¾	N.C.Os. armed as staff-serjeants, and rangetakers, have no bayonet. Pipers wear dirks.
Total (B)	—	10	8½	
C.—Ammunition.				
Cartridges, S.A., ball, ·303 inch ... ... rounds	120	7	3	N.C.Os. equipped as staff-serjeants carry 25 rounds. Pioneers carry 80 rounds. Signallers ,, 50 ,, Drummers and buglers have no S.A.A. Pipers and rangetakers carry 12 rounds of pistol ammunition.

				lbs. ozs.
				Apron, kilt ... 0 12½
				Gaiters, Highland 0 10½
				Garters and **rosettes** ... 0 1¼
				Hosetops ... 0 4¼
				Kilt 3 13
				Shoes, Highland 3 8

† Troops wearing khaki drill sent on active service from a warm to a temperate climate will be supplied with service dress jackets and trousers as soon as available. In warm weather the cardigan may be carried in the pack.

C.—Warrant Officers, Non-Commissioned Officers, and Men (Dismounted)—*continued.*

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
D.—Tools.				
Implement, intrenching, pattern 1908 { **head** ...	1	1	5¾	Colour-sergeants, N.C.Os. armed as staff-sergeants, pipers, signallers, and rangetakers carry no intrenching implements. (For signallers the implements are carried in tool wagons.)
{ **helve** ...	1	—	8½	
Carriers for ditto { **head** ...	1	—	9½	
{ **helve** ...	1	—	1¾	
	—	2	9¼	
E.—Accoutrements.				
Bag, ration	1	0	4	
Waterbottle, with carrier ...	1	1	6	The armourer has a waistbelt and two 15-round cartridge pockets, bandolier equipment, pattern 1903; and a great-coat strap and mess-tin strap, valise equipment, pattern 1888. † Except rangetaker, and pipers.
Web equipment, pattern 1908:—				
Belt, waist	1	0	13	
Braces, with buckle	2	0	11	
Carriers, cartridge, 75 rounds { left† ...	1	0	14½	
{ right† ...	1	0	14½	
Frog†	1	0	3	
Haversack (18¾ ozs.), with **knife** (3 ozs.), **fork** (3 ozs.), and **spoon** (2½ ozs.) ...	1	1	11¼	
Pack, with supporting straps (2)	1	1	11	
Total (E)...	—	8	8¼	
F.—Articles carried in the Pack.				Nos. 1 to 4 of M.G. section will have their packs carried for them on the march in the G.S. limbered wagon for M.G. The greatcoats of pipers may be worn *en* banderole over the left shoulder, or, with their packs, carried for them in transport vehicles on the march, at the discretion of the Commanding Officer. * Exclusive of weight of iron ration, which is accounted for in "G" below.
Cap, comforter	1	0	4	
Holdall (3¼ ozs.), containing **laces** (¼ oz.), **tooth-brush** (½ oz.), **razor** and **case** (3 ozs.), **shaving-brush** (1¼ ozs), and **comb** (½ oz.)	1	0	8¾	
Greatcoat, with metal titles ...	1	6	10½	
Housewife, fitted	1	0	3¼	
Mess-tin and cover	1	1	6¼	
Socks, worsted ... ... pair	1	0	4¼	
Soap ... ... piece	1	0	3	
Towel, hand	1	0	9	
Total (F)*	—	10	1¼	

C.—Warrant Officers, Non-Commissioned Officers, and Men (Dismounted)—*continued.*

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
G.—Rations and Water.				
Bread ration (unconsumed portion) ... ... (say)	—	0	12	
Cheese	—	0	3	
*Iron ration: **Biscuit**	—	0	12	
*Iron ration: **Preserved meat** (nominal)	—	1	0	* Normally one iron ration will be carried in the pack. If a second iron ration is ordered to be carried, the components of both rations will be distributed in the man's equipment as found most convenient.
*Iron ration: **Tea** ... ⅝ oz. / **Sugar** 2 ozs / **Salt** ... ½ oz. (In a tin.)	—	0	6½	
*Iron ration: **Cheese**	—	0	3	
*Iron ration: **Meat extract** cubes	2	0	1	
Water ... ... pints	2	2	8	
Total (G)...	—	5	13½	
Total Weight Carried.				
A.—Clothing worn	—	14	11	
B.—Arms	—	10	8½	
C.—Ammunition	—	7	3	
D.—Tools	—	2	9½	
E.—Accoutrements	—	8	8½	
F.—Articles in pack	—	10	1½	
G.—Rations and water	—	5	13½	
§ Total	—	59	6¾	

§ This is the normal weight carried by a private. But exceptions occur in the case of N.C.Os. and certain other ranks (signallers, range-takers, &c.), for which see "Remarks" and Table D.

The above arrangements allow of the soldier having normally with him the whole of his equipment; but in certain circumstances the commander may decide to increase the amount of S.A.A. carried on the person, and to discard temporarily certain articles of equipment, *e.g.*, pack and contents.

D.—Additional Articles Carried by certain Dismounted Men.

Articles.	No. per battalion.	Approximate weight of each. lbs.	Approximate weight of each. ozs.	By whom carried.	Remarks.
Musical Instruments.					
Bugles, with strings (*a*) ...	8	1	10	Buglers or drummers.	Drummers and buglers carry neither arms nor ammunition in war.
Drums (*a*) { bass (with apron)	1	23	0	Bass drummer.	
with cases { side (with apron)	8	10	15		
Flutes (*a*) { B Flat	6	0	12½		
with cases { F	2	1	0	Drummers.	
Piccolos (*a*) { E Flat... ...	1	0	7		
with cases { F	1	0	6		
Pipes (*b*)	6	8	0	Pipers.	
Signalling Equipment	...	...	...	... ...	*See* Section 7F, page 55.
Reconnaissance Equipment.					
Binoculars, in cases { non-prismatic ...	32	1	14	8 per company ...	
{ prismatic	2	2	15	Machine-gun section.	
Compasses, magnetic, pocket	32	0	2	Scouts.	
Telescopes, signalling, with stands	2	3	2	Carried under personal charge of C.O. and adjutant (one each).	
Miscellaneous.					
Breakers, wire, No. 1 ...	16	0	2½	Distributed as convenient, and carried either in an empty ammunition pocket of web equipment or in a pocket of the S.D. jacket.	
Cutters, wire, in frogs ...	24	1	4	4 pairs per company, remainder by pioneers.	
Dirks, scabbards, and loops	6(*b*)	1	3½	Pipers.	
Pistol, Webley, with cleaning rod, lanyard, case, ammunition pouch, and 12 rounds ... ... {	5	3	11½	Range-takers.	Range-takers carrying the one-man instrument (selected corporals or lance-serjeants) will be armed with pistols, and will carry neither rifles, bayonets, nor intrenching implements.
	6(*b*)	3	11½	Pipers.	
Rangefinders, infantry (*c*), (with cover, frog and stand)—					
No. 1	5	9	3	Range-takers. One instrument per company and one for the M.G. section.	
No. 2 (in lieu)	5	12	3		
Reflectors, mirror, S.A. ...	24	0	1	Senior company N.C.Os.	
Saws, folding, complete, in leather cases	32	1	12½	8 per company.	The saw will be carried in its case, either in the pack or on the waistbelt.
Stretchers, ambulance ...	8	34	0	2 per company: in Maltese cart on the march, and by stretcher bearers in action. (*d*)	
Whistles, infantry	85	0	1½	N.C.Os. not below the rank of corporal.	

(*a*) Rifle and light infantry battalions require 17 (instead of 8) bugles and strings, but are not entitled to any of the other musical instruments.

(*b*) Scots Guards and Highland battalions only.

(*c*) The No. 1 infantry R.F. (Marindin), in canvas cover, weighs 7½ lbs., and No. 2 infantry R.F. (Barr and Stroud), in canvas cover, weighs 10½ lbs.

(*d*) Regimental stretcher bearers wear an armlet ("S.B.") on the left arm above the elbow *when actually employed as such*. 20 armlets per battalion are allowed.

E.—Infantry Cyclist.

(9 bicycles are allowed per battalion, for use of signallers.)

Articles.	No. and how carried.				Approximate weight.		Remarks.
		On cycle.					
	On cyclist.	Front carrier.	Rear carrier.	In clips.	lbs.	ozs.	
A.—Clothing, Etc., worn by the Soldier.*							* Cyclists of kilted regiments will wear S.D. trousers, puttees, and ankle boots instead of the kilt, &c. † Troops wearing khaki drill sent on active service from a warm to a temperate climate will be supplied with service dress jackets and trousers as soon as available. In warm weather the cardigan may be carried in the pack.
Boots, ankle ... ... pair	1	—	—	—	4	0	
Braces ... ... ,,	1	—	—	—	0	4½	
Cap, service dress (or glengarry), with badge	1	—	—	—	0	9	
Disc, identity, with cord	1	—	—	—	0	0½	
Drawers, woollen ... ... pair	1	—	—	—	1	0½	
Jacket, service dress,† and metal titles, with **field dressing** ...	1	—	—	—	2	8	
Knife, clasp, with marline-spike and tin opener	1	—	—	—	0	8	
Paybook (in right breast pocket of S.D. jacket)	1	—	—	—	0	2	
Puttees ... ... pair	1	—	—	—	0	13	
Sheet, ground, Mark V (for use as cape)	—	1	—	—	2	8	
Shirt	1	—	—	—	1	2	
Socks ... ... pair	1	—	—	—	0	4½	
Trousers, service dress† ... ,,	1	—	—	—	2	0½	
Waistcoat, cardigan	1	—	—	—	1	7	
Total (A)	—	—	—	—	17	3	
B.—Arms.							
Rifle, with oil-bottle, pull-through, and sling	—	—	—	1	8	15¾	
Bayonet and scabbard	1	—	—	—	1	8¼	
Total (B)	—	—	—	—	10	8½	
C.—Ammunition.							
Cartridges, S.A., ball, ·303-inch ... ... rounds	50	—	—	—	3	0	
D.—Accoutrements.							
Bag, ration	1	—	—	—	0	4	
Waterbottle, with carrier ...	1	—	—	—	1	6	
Web equipment, pattern 1908:—							
Belt, waist	1	—	—	—	0	13	
Braces with buckle	2	—	—	—	0	11	
Carriers, cartridge, 75 rounds, { left ... right ...	1	—	—	—	0	14½	
	1	—	—	—	0	14½	
Frog	1	—	—	—	0	3	
Haversack (19 ozs.), with **knife** (3 ozs.), **fork** (3 ozs.), and **spoon** (2½ oz.)	1	—	—	—	1	11¼	
Pack, with supporting straps (2)	—	—	1	—	1	11	
Total (D)	—	—	—	—	8	8¼	

E.—Infantry Cyclist—*continued.*

Articles.	No. and how carried. On cyclist.	On cycle. Front carrier.	On cycle. Rear carrier.	On cycle. In clips.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
E.—Articles carried in the Pack.							
Cap, comforter	—	—	1	—	0	4	
Holdall (3¼ ozs.), containing **laces** (¼ oz.), **tooth-brush** (½ oz.), **razor** and **case** (3 ozs.), **shaving-brush** (1¼ ozs.), and **comb** (½ oz.)	—	—	1	—	0	8¼	
Greatcoat, with metal titles ...	—	—	1	—	6	10½	
Housewife, fitted	—	—	1	—	0	3½	
Mess-tin and cover	—	—	1	—	1	6½	
Socks, worsted ... ... pair	—	—	1	—	0	4½	
Soap ... ...piece	—	—	1	—	0	3	
Towel, hand	—	—	1	—	0	9	
Total (E)	—	—	—	—	10	1¼	
F.—Rations and Water.							
Bread ration, (unconsumed portion)... ... ... say	1	—	—	—	0	12	
Cheese ... ...piece	1	—	—	—	0	3	
Iron Ration: **Biscuit** ... ration	1	—	—	—	0	12	
Iron Ration: **Preserved meat** lbs. (nom.)	1	—	—	—	1	0	
Iron Ration: **Tea** ½ oz., **Sugar** 2 oz., **Salt** ½ oz. } in a tin ...	1	—	—	—	0	6½	
Iron Ration: **Cheese** ... ...piece	1	—	—	—	0	3	
Iron Ration: **Meat extract** cubes	2	—	—	—	0	1	
Water ... ... pints	2	—	—	—	2	8	
Total (F)	—	—	—	—	5	13½	
Total Weight Carried.							
A.—Clothing worn	—	—	—	—	17	3	
B.—Arms...	—	—	—	—	10	8½	
C.—Ammunition	—	—	—	—	3	0	
D.—Accoutrements	—	—	—	—	8	8½	
E.—Articles in pack	—	—	—	—	10	1½	
F.—Rations and water	—	—	—	—	5	13½	
Total	—	—	—	—	55	2½	

* Normally one iron ration will be carried in the pack. If a second iron ration is ordered to be carried, the components of both rations will be distributed in the man's equipment as found most convenient.

F.—Mounted Men.

The transport serjeant and regimental drivers are clothed and equipped, as are other infantrymen (Table C), with the following exceptions :—

(*a*) **Bedford cord pantaloons** are worn instead of service dress trousers, and cotton instead of woollen drawers ; each man has a pair of **jack spurs.** Regimental transport personnel of kilted regiments will also wear boots instead of Highland shoes, and puttees instead of gaiters. Chin-straps will be supplied to men wearing glengarry caps.

(*b*) **Intrenching implements** are not carried.

(*c*) Each driver has a **whip** and **legging.**

The following are carried on the horses of the transport serjeant and regimental drivers :—

Articles.	Transport Serjeant (on the horse).	Drivers.		Approximate weight of each.	
		Near horse.	Off horse.	lbs.	ozs.
Bags, nose, G.S., each with 6 lbs. corn	1	...	2	7	0
Brushes, horse	1	...	2	0	10
Harness ... ... sets	...	1	1	{ 73 { 75	0 0
Pads, surcingle (on surcingle under horse)	1	1	1	0	10
Pegs, picketing, with rope loop ...	1	1	1	1	3
Ropes, picketing	1	1	1	0	15
Rubbers, horse	1	...	2	0	4
Saddlery, complete, with saddle blanket and headrope ... set	1	..	...	29	4

Instructions for A.S.C. drivers will be found in A.S.C. training, Part I. Special picketing gear is allowed for their heavy draught horses.

Men leading pack animals are clothed as drivers.

Rifles of drivers of G.S. limbered wagons, carts, S.A.A. and water tank, will be carried in the clips provided on the wagon for that purpose. On vehicles not specially fitted the rifles will be carried on wagon footboards.

Notes.

Packs.—The packs of the transport serjeant and of the regimental drivers of 1st line transport vehicles may be carried on the vehicles. Those of drivers of spare horses and of pack animals will be on the man.

Saddle blanket.—Under the riding or pack saddle. Saddle blankets for officers' horses and horses with luggage saddles are carried in the vehicles, on the march.

Heelropes are allowed for use with restive horses on a scale of 25 per cent. An additional peg is issued with each heel rope.

Picketing gear (or any part of it) may, at the discretion of the commanding officer, be carried in the regimental transport vehicles. A proportion of **mallets, heelpeg** (about 1 to 20 horses) will be carried on 1st line transport vehicles.

Nose bags.—When luggage saddle is worn on the off horse, one bag on each side of the luggage saddle is fastened to the near arch (or ring with O.P. saddle).

Carried in the wagon when luggage saddle is not worn.

Horse brush and rubber.—The method of carrying is left to the discretion of officers commanding, except that these articles are not to be in the nosebag.

G.—Articles Left at the Base for Each Man.

Kit bags, containing the spare kit detailed below, will be handed over to the O.C. base details to be taken to the oversea base with the base details, and will be left in charge of company storemen at the Infantry Base Depôt to be forwarded only as may be deemed convenient to the Service by the Commander-in-Chief.

Articles.	No.	Remarks.
Clothing.		
Boots, ankle (*a*) ... ... pair	1	(*a*) Shoes, Highland, for kilted regiments, but cyclists and regimental transport personnel of kilted regiments will not leave a spare pair of boots or shoes at the base.
Drawers (*b*) ... ... ,,	1	
Jacket, service dress (*c*)	1	
Shoes, canvas (if in possession) pair	1	
Trousers, service dress (*d*) ,,	1	(*b*) Not for kilted men.
Necessaries.		(*c*) Not for serving soldiers of Foot Guards, and Highland Light Infantry and kilted regiments.
Brush, hair	1	
Hosetops (*e*) ... ... pair	1	(*d*) Not for serving soldiers of Foot Guards and kilted regiments.
Shirt, flannel	1	
Socks, worsted ... ... pair	1	(*e*) Men of kilted regiments only, cyclists and regimental transport personnel excepted.
Towel, hand	1	

The boots (or Highland shoes) will be tied together, with the soles outwards, the regimental number of the man and the name and number of the battalion being chalked or otherwise legibly marked on the soles. The boots (or shoes) will be placed in the mouth of the kit bag to admit of them being readily withdrawn, should it be necessary to forward them separately to the troops in the field.

Section 4.—PACK TRANSPORT LOADS; AND SPARE ANIMALS.

A.—Pack Animal for Small-Arm Ammunition.

(2 Animals per Company.)

Articles.	No. per Animal.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
Bags, line gear, with pair of spare shoes in shoecase ...	1	1	8	(*a*) Each containing 1,000 rounds.
Bags, nose, G.S. (with unexpended forage)	1	6	0	
Blanket, saddle	1	5	4	
Brush, horse	1	0	10	(*b*) 4 canvas buckets, &c., which are distributed amongst the whole of the pack animals.
Cartridges, S.A., ball, ·303-inch, (charger packed) in bandoliers (*a*) boxes	2	149	8	
Packsaddle, G.S., small (with cover and lashing)... ... set	1	60	0	
Pad, surcingle	1	0	10	
Peg, picketing, with rope loop ...	1	1	3	
Rope, head	1	0	9	
Rope, heel*	1	0	11	
Rope, picketing	1	0	15	
Rubber, horse	1	0	4	
Share of additional gear (*b*) say	...	2	0	
Total equipment and load ...	...	229	2	

* 25 per cent. only. An additional peg is carried with each rope.

B.—Articles Carried by Spare Horses.

1 *Spare Riding Horse*
3 *Spare Draught Horses* } *per Battalion.*
1 *Spare Pack Horse*

Bag, nose, G.S.	1 per horse.
Bit, portmouth, reversible	
Blanket, saddle	
Brush, horse	
Collar, head	
Pad, surcingle	
Peg, picketing, with rope loop* ...	
Reins, bit	
Ropes, head	
Ropes, picketing	
Rubber, horse	
Surcingle, leather	
Bags, line gear	1 per pack horse.
Straps, bit attachment	2 per horse.

In addition to the above, the following articles are distributed amongst the spare horses in the proportion shown :—

Buckets, water, G.S., canvas ... 1 per 2 horses.
Ropes, heel (with picketing peg)... 1 per 4 horses.

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* An additional peg is carried for each heel rope.

Section 5.—CART AND WAGON EQUIPMENT.*

A.—Small Arm Ammunition Cart.

(6 *per Battalion.*)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	How packed.	Remarks.
Board, inventory, wood, with list	1	0	11	In the locker.	
Brush, water, carriage ...	1	0	10		
Buckets, water, G.S., canvas	7	8	12	Strapped on front board.	(*a*) Comprising:— **Hammer,** claw, 16-ozs. 1; **Pincers,** carpenters, pair 1; **Screwdriver,** G.S., 6-inch ... ... 1; **Spanner,** adjustable, 11-inch 1
Cordage, tarred, spun-yarn hemp, 3-thread lbs.	5	5	0	In the locker.	
Grease, lubricating ,,	3	3	0	In grease box.	
Lashings, white, 1-inch, 30-feet	2	2	6	In the locker.	
Ropes, drag, light, G.S. pair	1	6	6	Strapped on foot-board.	
Tools, for opening S.A.A. boxes ... ... sets (*a*)	1	4	4	In leather pocket on near side.	(*b*) **Covers,** rifle 1
Valise, horseshoe, small, with 2 pairs of shoes (and nails)	1	6	0		(*c*) The following spare parts are carried:— 2 **blocks, brake,** field and transport ... ... In the locker. 1 **pin,** linch, 2nd class ... 1 **washer,** drag, 2nd class C ... In pocket on near side.
Total equipment ...	...	37	1		
S.A.A. cart, with components, accessories (*b*) and spare parts (*c*)	...	955	0		
Cart equipped	...	992	1	= 8¾ cwt., about.	

* **Horseshoes** do not form part of cart and wagon "equipment," but will be taken from the "spare" allowed for the unit and carried in valises in the proportions shown in this Section.

B.—Maltese Cart.

(1 *per Battalion.*)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	How packed.	Remarks.
Axes, felling, curved helve ...	1	6	0	On the rear underside of the cart.	
Axes, pick, head	1	4	8	On the rear underside of the cart.	
Axes, pick, helve, 36-inch, ferruled ..	1	3	4	On the rear underside of the cart.	
Board, inventory, wood, with list	1	0	11	As convenient.	
Brush, water, carriage ...	1	0	10	As convenient.	
Bucket, water, G.S., canvas	1	1	4	Tied to end of rope which secures tarpaulin cover.	
Cordage tarred, spunyarn, hemp, 3-thread lbs.	5	5	0	In the body of the cart.	
Grease, lubricating ,,	3	3	0	In the grease box.	
Hook, bill	1	2	0	On the front underside of cart.	
Ropes, drag, light, G.S. pair	1	6	6	On the body of the cart.	
Shovels, G.S.	2	7	0	One on each side.	
Valise, horseshoe, small, with 3 pairs of shoes (and nails)	1	9	0		
Total equipment ...	...	48	11		(*a*) Cover.
Maltese cart, with components, accessories (*a*), and spare parts (*b*)	...	733	0		(*b*) Carried in the pocket on the offside, and consisting of— Pins, linch, 3rd class ... ... 1 Washer, drag, 3rd class, "B" ... 1
Cart equipped ...	...	781	11	= 7 cwt., about.	

C.—Cart, Water Tank, with Filtering Apparatus.

(*2 per Battalion.*)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	How packed.
Axes, { **heads,** 4½ lb.	1	4	8	
pick { **helves,** 36 in. ferruled	1	3	4	
Board, inventory, wood, with list	1	...	11	In small store box.
Brushes, { **cleaning tank** (*b*)	1	...	8	In sterilizing kettle.
Brushes, { **washing**	1	...	1½	In small store box.
Brushes, { **water,** carriage ...	1	...	10	In small store box.
Buckets, water, G.S., canvas ...	1	1	4	
Clarifying powder (*a*) lbs.	2	2	0	In 4 tins.
Cordage, tarred, spun yarn, hemp, 3-thread... ... lbs.	5	5	0	Secured by lashing as convenient.
Grease, lubricating ... ,,	3	3	0	In grease box.
Shovels, G.S.	1	3	8	
Spanners, { **apparatus, filtering** ...	1	0	6½	In small store box.
Spanners, { **adjustable,** 11-inch	1	1	15	In small store box.
Spanners, { **No. 287** (differential pump) (*a*)	1	...	6½	In small store box.
Valise, horseshoe, small (with 4 pairs of shoes and nails) ...	1	9	0	On cart.

Remarks.

	No.	Marks of Cart.
(*c*) **Caps,** protecting couplings, filling pipes, apparatus filtering	4	IIc and III
Covers, short rifle	1	IIA to III
Kettle, sterilizing candles, apparatus, filtering	1	IIA to III
Measure, clarifying powder, 83 grains	1	IIc and III
(*d*) Carried in small store box and consisting of:—		
Bands, candle cover, sterilizing filter	12	IIA to III
Blocks, brake, field and transport ...	2	,,
Candles, sterilizing, apparatus filtering	8	,,
Caps, protecting couplings, filling pipes, apparatus filtering	4	IIA and IIB

C.—Cart, Water Tank, with Filtering Apparatus.—*continued.*

(2 *per Battalion.*)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	How packed.
Total equipment, Marks IIA and IIB carts	...	33	4	
Mark IIc cart ...	...	35	10	
Mark III cart ...	...	36	2½	
Cart, water tank (with components, accessories (*c*), and spare parts (*d*), Marks IIA and IIB	...	1,482	8	Approximate.
Mark IIc	..	1,650	0	
Mark III	...	1,694	0	
Cart, equipped (approximate), Marks IIA and IIB	...	1,515	12	
Mark IIc	...	1,685	10	
Mark III	...	1,730	2	

Remarks.	No.	Marks of Cart.
Collars, cylinder cover bolts, apparatus, filtering	2	IIA to III
Covers, clarifying reel, apparatus filtering (cloth)	2	IIc and III
Measures, clarifying powder, 83 grains	1	,,
Nuts, hexagon, ⅜-inch	2	IIA and IIB
Nuts, wing, cylinder cover bolts, apparatus filtering ...	2	IIA to III
Packings, differential pump (in tin box):—		
Rings, leather, L section, set of 3, sets	1	IIc and III
Washers, leather, ,, 4, ,,	1	,,
Pins, linch, 2nd class	1	III
Pins, linch, 3rd ,, ...	1	IIA to IIc
Reels, clarifying, apparatus filtering (cloth covered)	2	IIc and III

Rings (rubber round section),	cylinder cover, clarifying filter	2	IIA to III
	candle, spindle, sterilizing filter	12	IIA to III
Strips, cover, clarifying reel (rubber)		4	IIC and III
Twine, packing, middling ... balls		1	IIA to III
Tap, water, small, No. 3		1	"
Washers, candle, spindle, sterilizing, filter (leather)		8	"
clarifying reel (rubber)		12	IIC and III
cylinder cover, sterilizing filter (rubber)		2	IIA to III
drag, 2nd class, "C"		1	III
drag, 3rd class, "B"		1	IIA to IIC
union, $\frac{1}{2}$-inch hose		8	IIA
union, $\frac{3}{4}$-inch hose		8	IIB to III

(a) Marks IIC and III carts only.

(b) Mark III carts only.

(B 11023)

D.—G.S. Limbered Wagon.

(*3 per Battalion.*)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	How packed.	Remarks.
Fore Portion.					
Board, inventory, wood, with list	1	0	11	Locker, near side.	(*a*) Comprising— **Hammer,** claw, 16-oz. 1
Brush, water, carriage ...	1	0	10	Near side.	**Pincers,** carpenters, pair 1
Buckets, water, G.S., canvas	2	2	8	Tied to end of rope which secures tarpaulin cover.	**Screwdriver,** G.S., 6-inch 1
					Spanner, adjustable, 11-inch 1
Cordage, spunyarn, hemp, tarred, 3-thread lbs.	5	5	0	Near side.	
Grease, lubricating ,,	3	3	0	In the grease box.	(*b*) **Attachments, hame,** supporting pole bar 4
Tools, opening, S.A.A. boxes ... ... set (*a*)	1	4	4	Locker, near side.	**Covers,** short rifle ... 1
Valise, horseshoe, small, with 4 pairs of shoes (and nails)	1	12	0		**Covers,** wagon... ... 2
					(*c*) The following spare parts are carried in the near side locker, fore portion—
Hind Portion.					**Blocks,** brake, field and transport... 2
Grease, lubricating lbs.	3	3	0	In the grease box.	**Collar,** adjusting, 2nd class, "C" capped wheels 1
Ropes, drag, light, G.S. pair	1	6	6	On perch.	**Pins,** linch, 2nd class, "C," capped wheels ... 1
Total equipment ...	...	37	7		**Washer,** drag, 2nd class, "C," capped wheels 1
G.S. limbered wagon with components, accessories (*b*), and spare parts (*c*) ...	...	1,235	8		
G.S. limbered wagon, equipped	...	1,272	15	= 11¼ cwt. (about).	

E.—G.S. Wagon.

(4‖ *per Battalion.*)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	How packed.
Axes, felling, curved helve...	1	6	0	In the locker.
Axes, pick, head	1	4	8	In the locker.
Axes, pick, helve, 36-in., ferruled ...	1	3	4	In the locker.
Board, inventory, wood, with list	1	0	11	In the locker.
Brush, water carriage	1	0	10	In the locker.
Buckets, water, G.S., canvas...	2	2	8	In the locker.
Cordage, tarred, spunyarn, hemp, 3-thread... ... lbs.	5	5	0	In the locker.
Grease, lubricating ... ,,	6	6	0	In the grease boxes.
Hook, bill...	1	2	0	In the locker.
Ropes, drag, light, G.S.... pair	1	6	6	Strapped under the raves, off side.
Shovels, G.S.	2	7	0	In the locker.
Valise, horseshoe, large, with 3 pairs of shoes (and nails) ...	1	12	0	
Total equipment	...	55	15	
G.S. wagon with components, accessories (*a*), and spare parts (*b*)...	...	1,932	8	
G.S. wagon, equipped	...	1,988	7	=17¾ cwt. (about).

(*a*) **Cover, 1; Spanner,** No. 93, 1§.

(*b*) **Swingletree, 1;** and the following packed in the locker :—

	No.	Mark of Wagon.
Blocks, brake, field and transport	2	VI to X*
Collars, adjusting :—		
2nd class, "C," capped wheels ...	1	X*
3rd class "B," capped wheels ...	1	X*
Lashings, tarred, 1½-in., 32 ft.†...	1	III to X*
Pins, linch :—		
2nd class	1	IX and X‡
3rd class	1	III to X
2nd class "C," capped wheels ...	1	X*
3rd class "B," capped wheels ...	1	X*
Washers, drag :—		
2nd class, "C"	1	IX and X‡
3rd class, "B"	1	III to X
2nd class, "C," capped wheels ...	1	X*
3rd class, "B," capped wheels ...	1	X*

‖ 5 per battalion when not in possession of travelling kitchens. 2 more G.S. wagons may be used when blankets are specially ordered to be carried (*see* Section 2 (ii), footnote). † Lashings, white, 1-in., 32 ft., when 1½-in. tarred lashings are used up.

‡ Also Marks VI to VIII** with 2nd class hind axletrees.

§ Marks IX, X, and X* wagons. Only required when using No. 43 wheel.

F.—Travelling Kitchen.

(4 *per Battalion.*)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	How packed.	Remarks.
Limber.					
Valise, horseshoe, large, with 2 pairs of shoes (and nails) ...	1	10	8	In "off" locker under rear.	(*a*) **Attachments**, hame, supporting pole bar... 4 **Cover**, rifle (on footplate of limber) ... 1
*Remainder of equipment and Cooks' implements ...about	...	90	0		(*b*) **Collar**, adjusting... } 2nd class, "C," capped wheels { ... 1 **Pin**, linch... ... } { ... 1 **Washer**, drag ... { ... 1 (carried in wallet in "off" locker, under rear of limber).
Total equipment ...about		100	8		
Kitchen, with components, accessories (*a*), and spare parts (*b*)		1,982	0	Approximate only.	
Travelling kitchen equipped ...		2,082	8	=18½ cwt., about.	

* The kitchen equipment and cooks' implements, &c., are under consideration.

Section 6.—CART AND WAGON LOADS.

The distribution of the loads carried by transport vehicles, shown in this section, has been arrived at after a series of packing trials, and a departure from it would only be justified by exceptional circumstances.

For purposes of calculation, the approximate load for a G.S. wagon with 2 heavy draught horses has been taken as 3,000 lbs. The weights of individual items in the loads, of different marks of wagons, and of individual wagons of the same Mark may be found to vary.

The articles of "wagon equipment"; and such articles of the "loads" as luggage saddles, spare wheels and poles, &c., which are required for general transport purposes, will at all times remain with the vehicles and are not to be left with the unit when vehicles return to refil.

A.—Small Arm Ammunition Cart.

(1 for M.G. Section, 5 for remainder of Battalion.)

Articles.	No	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
In the Body.				
Blanket, saddle (*a*)	1	5	4	(*a*) For the off horse.
Cartridges, S.A., ball, ·303-inch (*b*) boxes	16	1,200	0	(*b*) Each box contains 1,000 rounds, charges packed, in bandoliers.
Load	...	1,205	4	
S.A.A. cart equipped (*cf.* page 29) ...	...	992	1	
Total, loaded S.A.A. cart ..	...	2,197	5	=20 cwt., about.

Notes:—

1. Two of the S.A.A. carts will carry **pistol ammunition** as follows:—
   One cart. One complete box (300 rounds), weight, 16 lbs. 8 ozs.
   One cart. 120 rounds.
   The remainder will carry no pistol ammunition.
2. The S.A.A. cart with the machine-gun section carries, in addition, 4 spare **belts, ammunition, Maxim** (empty), weight (4) 8 lbs. 12 ozs. packed in the locker.

B.—Maltese Cart.

(*1 per Battalion.*)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
In the Body.				
Blanket, saddle (*a*)	1	5	4	(*a*) For the draught horse.
Companion, medical, complete, with water-bottle (filled) ...	1	19	2	
Haversack, surgical, complete, with water-bottle (filled) ...	1	13	2	
Panniers, medical, (complete) { No. 1 ...	1	91	0	
{ No. 2 ...	1	72	0	
Stretchers, ambulance ...	8	272	0	
Load	...	472	8	
Maltese cart, equipped (*cf.* page 30)	...	781	11	
Total, loaded cart ...	...	1,254	3	= 11¼ cwt., about.

C.—Cart, Water (Filter).

(*2 per Battalion.*)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
Blanket, saddle (*a*)	1	5	4	(*a*) For the off horse.
Water ... ... galls.	118†	1,140	0	
Water cart, equipped (*cf.* page 31)				
Marks IIA and IIB ...	...	1,515	12	
Mark IIC	...	1,685	10	
Mark III	...	1,730	2	
Total, loaded cart:—				
Mark IIA and IIB ...	...	2,661	0	= 23¾ cwt., about.
Mark IIC	...	2,830	14	= 25¼ cwt., about.
Mark III	...	2,875	6	= 25½ cwt., about.

† Mark III cart, 118 galls.; Marks IIA to IIC, 114 galls.

D.—G.S. Limbered Wagons for Tools.

(2 per Battalion.)

No. 1.

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
Fore Portion.				Carried on clips.
Rifle (of driver)	1	8	15¾	(*a*) Containing, in addition to the usual set, a pair of pincers, horn cutting.
Fore part:—				(*b*) For the off horse.
Axes, pick; helves 36-inch, ferruled	38	123	0	(*c*) Carried in a sack in the wagon to enable the team to be used with shaft draught vehicles on emergency. The following is a detail of the appurtenances of the saddle:—
Implements, intrenching, patt. '08. { heads / helves	9 / 22	12 / 7	3 / 14	
Shovels, G.S.	27	94	8	
Rear part:—				bands, back 1
Axes, { felling, curved helve ... / hand ... ... / pick, heads	8 / 4 / 38	48 / 9 / 171	0 / 0 / 0	girths, luggage 1
				numnah, felt, luggage ... 1
				reins, side... 1
Crowbars, 3 ft. 6 in.	4	46	0	straps, { baggage, Mark III... 3 / girth 4
Hooks, { hill ... . / reaping	20 / 10	39 / 10	6 / 0	
Mallet, heelpeg	1	2	8	surcingles, leather ... 1
Nails, wire, iron, { 6-inch lbs. / 4 „ „ grooved,	1 / 3	1 / 3	0 / 0	tugs, backband 2
Shovels, G.S.	28	98	0	pannels, numnah, luggage pr. 1
Hind Portion.				(*d*) The following will be carried on the luggage saddle by the off wheel horse in the event of the team being used with shaft draught in an emergency:—
Bag, tool, farriers (filled) (*a*) ...	1	15	0	
Blanket, saddle (*b*)	1	5	4	
***Box,** candle, F.S. (filled)	3	5	1	bags, nose, with 6 lbs. corn 2
Implements, intrenching, patt. '08, helves (spare)	12	6	2	brushes, horse 2
***Lanterns,** tent, folding	3	20	5½	rubbers, horse 2
Luggage saddle with appurtenances (*c*) and articles (*d*) ...	1	43	4	pad, surcingle 1
Panniers, signalling, filled ...	3	180	0	peg, picketing† 1
				rope, { heel‡ ... ... 1 / picketing ... 1
				rubber, horse 1
Load		953	12½	†Plus one, additional, when heelrope is carried.
				‡25% only; for restive horses.
G.S. limbered wagon equipped (*cf.* page 34)	...	1.272	15	* 4 per battalion with travelling kitchens.
Total, loaded G.S. limbered wagon, No. 1	...	2,226	11¼	= 20-cwt., about.

Notes.—1. The removable partition in the hind portion must be removed to admit of the above system of packing.

2. Units in possession of the one-man rangefinder will carry the cases of adjusting instruments in the hind portion of this wagon, and No. 2 G.S. limbered wagon for tools.

The weights of the cases (packed) are as follows:—

For No. 1 (Marindin) R.F. ... ... 11 lbs.

For No. 2 (Barr & Stroud) R.F. ... ... 11¼ lbs.

D.—G.S. Limbered Wagons for Tools.

(2 per Battalion.)

No. 2.

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
Fore Portion.				
Rifle (of driver)	1	8	15¼	Carried in clips.
Fore part:—				
Axes, pick; helves, 36-inch, ferruled	38	123	0	
Implements, intrenching, patt. '08, heads	8	11	0	
Implements, intrenching, patt. '08, helves	22	7	14	
Shovels, G.S.	27	94	8	
Rear part:—				
Axes, felling, curved helved	8	48	0	
Axes, hand	4	9	0	
Axes, pick, heads ...	38	171	0	
Crowbars, 3-ft. 6-in.	4	46	0	
Hooks, bill	20	39	6	
Hooks, reaping	10	10	0	
Mallet, heelpeg	1	2	8	
Nails, wire, 6-inch lbs.	1	1	0	
iron, grooved, 4 ,, ,,	2	2	0	
Shovels, G.S.	28	98	0	
Hind Portion.				
Blanket, saddle (*a*)	1	5	4	(*a*) For the off horse.
Boxes, candle, F.S. (filled) ...	4	6	12	
Implements, intrenching, patt. '08:—helves (spare) ...	12	6	0	
Lanterns, tent, folding ...	4	27	2	(*b*) 8 5-ft. 6-in. poles and 16 3-ft. 6-in. poles in a bundle.
Luggage saddle, with appurtenances and articles as at (*c*) and (*d*) page 39	1	43	4	
Panniers, signalling, filled ...	3	18	0	
Poles (*b*)	...	10	0	
Load	...	950	9¾	
G.S. limbered wagon, equipped (*cf.* page 34)	...	1,272	15	
Total, loaded G.S. wagon, No. 2	...	2,223	8¾	= 20 cwt. about.

Note:—The removable partition in the hind portion must be removed to admit of the above system of packing.

E.—Cooks' Wagon.*

(1 G.S. Wagon per Battalion without travelling kitchens.)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
In the Locker.				
Balance, spring, 80-lb. (*a*) ...	1	3	11	(*a*) On hook.
Box, candle, F.S. (filled) ...	1	1	11	
Knives, opening tins	2	1	8	
Lantern, tent, folding	1	6	10½	
Reins, driving, long ... set	1	4	4	
In the Body.				
Equipment and stores:—				
Blankets, saddle (*b*) ...	1	5	4	(*b*) For off horse.
Implements, butchers' set	1	37	0	
Kettles, camp, oval, 12-qts. — for officers (packed) ...	10	170	0	
Kettles, camp, oval, 12-qts. — for rank and file ...	61	518	8	
Luggage saddle, with appurtenances and articles as at (*c*) and (*d*) page 39	1	43	4	
Whip, driving	1	1	0	
Supplies:—				
Dried Vegetables		202	8	4 cases of 30 lbs. net each (48½ lbs. gross), 1 canister of 5¼ lbs. net (8½ lbs. gross).
Groceries. Mustard		5	3½	3 3/16 lbs. in 12 tins of 4 ozs. net each and 1 tin of 3 ozs. net. Gross weight of ¼lb tin=6½ozs.
Pepper		2	7½	In 1 tin of 1 lb. net and 1 tin of ¾ lb. net. Gross weight of 1 lb. tin= 1 lb. 5½ ozs.
Salt		33	8	In a sack.
Sugar		129	14	In one sack of 80 lbs. net and one of 45¼ lbs. net.
Tea		25	2½	19 11/16 in canisters.
Jam		190	0	126lbs. in 2 c/s of 50 lbs. net each and 1 c/s of 26 lbs. net.
Meat, preserved		1,210	3	In 16 cases of 60 rations each and 1 c/s of 47
Load		2,591	11	rations, or 1,258¾ lbs. fresh or frozen meat in lieu.
G.S. wagon equipped (*cf.* page 35)		1,988	7	
Total loaded cooks' wagon ...		4,580	2	= 41 cwt., about.

* Eventually this vehicle will be replaced by 4 travelling kitchens.

F.—Travelling Kitchen.

(4 *per Battalion.**)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
Wagon Body.				
Supplies:—				
Meat, fresh or frozen	...	157	8	
Vegetables, dried	...	15	12	
Wood	...	112	0	56 lbs. in each rear compartment.
†**Water** ... ... galls.	22	220	0	† The amount of water is approximate only, and will vary according to local circumstances.
Limber.				
Equipment and Stores:—				
‡**Blanket**, saddle	1	5	4	‡ For off horse.
Kettles, camp, oval, 12 qts., for officers (packed) ...	2	34	0	
Rifle, of driver, in cover ..	1	8	15¾	
‡**Surcingle**, leather	1	0	15	
Supplies:—				
Groceries:—				
Mustard	...	0	13	
Pepper	...	0	7	
Salt	...	7	14	
Sugar	...	31	8	
Tea	...	4	15	
Jam ... ... lbs.	32	32	0	
Meat, fresh or frozen ...	...	157	8	
Vegetables, dried	...	15	12	
†**Water** ... ... galls.	18	180	0	† The amount of water is approximate only, and will vary according to local circumstances.
Load	...	985	3¾	
Travelling kitchen equipped (*cf.* page 36)	...	2,082	8	
Total loaded travelling kitchen	...	3,067	11¾	= 27½ cwt., about.

* Applies only to those battalions which have actually exchanged their cooks' wagon for four travelling kitchens. The supplies shown above are sufficient for 252 men. The kitchen has 9 boilers of an estimated capacity of 6½ galls. each, total 58½ gallons (5 boilers in the body, 4 in the limber).

G.—G.S. Limbered Wagon for Machine-Gun Section.

(1 per Battalion.)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
Fore Portion.				
Rifle, of driver	1	8	15¾	
Axes, pick { head	1	4	8	
Axes, pick { helve, 36-inch, ferruled	1	3	4	
Bags, sand, common	15	8	14	
Bar, carrying Maxim gun on tripod	1	1	10	
Belts, ammunition, Maxim, ·303-inch (in boxes) (*a*)	14	271	0	(*a*) Each belt contains 250 rounds, S.A.A.
Box, spare parts and tools, Maxim (filled) ...	1	31	0	(*b*) One for mineral oil, one for oil, petroleum, lubricating, packed in the case, can, ·303-inch.
Cans, { lubricating No. 9 (*b*)	2	1	10	
Cans, { half pint (*c*)	2	0	14	(*c*) One for oil, petroleum, lubricating; one for turpentine, packed in the case, can, ·303-inch.
Cases, cans, ·303-inch, tripod mountings ...	1	2	3	
Clinometer, field (in case)	1	2	8	
Condenser, steam	1	2	4	
Drum, oil, 3-gallons, with bung (containing spare supply of water)	1	37	8	
Flannelette ... ... yds.	6	0	4	
Guns, Maxim, { protectors, muzzle	1	0	3	
Guns, Maxim, { ·303-inch, complete (in leather case, with cleaning rod and spare gun barrel)...	1	103	4	
Guns, Maxim, { plug, cork, complete ...	1	0	1	
Guns, Maxim, { locks cover (spare) (*d*) ...	1	0	4	(*d*) Carried in box, spare parts, &c.
Hooks, bill	1	2	0	
Lamps, siege, candle, with stand (in box) ...	2	12	10	
Linen, old (for cleaning) ... ... lbs.	1	1	0	
Mallet, heelpeg	1	2	8	
Mountings, tripod, { ·303-inch Maxim gun, Mark IV, complete (with hood, protecting)	1	59	0	
Mountings, tripod, { pins, joint, { crosshead ...	1	0	10	
Mountings, tripod, { pins, joint, { elevating gear	1	0	5	
Muzzle attachment for ball firing	1	1	7	
Plug, belt, Maxim, ·303-inch	1	0	4	
Reflector, mirror, M.G., ·303-inch	1	0	1	
Shovel, G.S.	1	3	8	
Hind Portion.				
Axes, pick { head	1	4	8	
Axes, pick { helve	1	3	4	
Bags, sand, common	15	8	14	
Bar, carrying Maxim gun on tripod	1	1	10	
Belts, ammunition, Maxim ·303-inch (in boxes) (*a*)	14	271	0	
Blanket, saddle (*e*)	1	5	4	(*e*) For the off horse.
Box, spare parts and tools, Maxim (filled) ...	1	30	12	
Box, dubbing, 1 lb. (filled)	1	1	8	
Cans, { lubricating, No. 9 (*b*)	2	1	10	
Cans, { half-pint (*c*)	2	0	14	

G.—G.S. Limbered Wagon for Machine-Gun Section—*continued.*

Articles	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
HIND PORTION—*continued.*				
Cases, cans, ·303-inch, tripod mountings ...	1	2	3	
Clinometer, field (in case)	1	2	8	
Condenser, steam	1	2	4	
Drum, oil, 3-gallons, with bung (containing spare supply of water)	1	37	8	
Guns, Maxim, protector, muzzle	1	0	3	
Guns, Maxim, ·303-inch, complete (in leather case, with cleaning rod and spare gun barrel) ...	1	103	4	
Guns, Maxim, plug, cork, complete	1	0	1	
Guns, Maxim, locks, cover (spare) (*d*) ...	1	0	4	(*d*) See preceding page.
Hook, bill	1	2	0	
Lamps siege, candle, with stand (in box) ...	2	12	10	
Luggage, Saddle, with appurtenances and articles as at (*c*) and (*d*) page 39	1	43	4	
Machine, filling belts, Maxim, ·303-inch, Mk. II (in chest) (*f*)	1	42	0	(*f*) The chest is carried loose in the vehicle, and the machine is clamped to the perch for use. 4 spare springs, action lever; and 2 spare springs, pawl, are also in the chest.
Mountings, tripod, ·303-inch Maxim gun, Mark IV, complete (with hood protecting)	1	50	1	
Mountings, tripod, pins, joint, crosshead ...	1	0	10	
Mountings, tripod, pins, joint, elevating gear	1	0	5	
Muzzle attachment for ball firing	1	1	7	
Reflector, mirror, M.G., ·303-inch	1	0	1	
Shovel, G.S.	1	3	8	
Load	...	1,196	12¾	
G.S. wagon, equipped (*cf.* page 34)	...	1,272	15	
Total, loaded G.S. limbered wagon, with machine-gun section	...	2,469	11¼	= 22 cwt., about.

NOTES:—

1. Photographs illustrating the method of packing this wagon are shown in the Machine Gun Handbook.
2. Nos. 1-4 of machine-gun section will have their packs carried for them on the march. They will put their rifles into the wagon when going into action.

H.—G.S. Wagons for Baggage, Stores, and Supplies.

(Baggage Section of Train—2 G.S. Wagons.)

No. 1 G.S. Wagon.

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
In the Locker.				
Box, chiropody set	1	2	11	
Box, candle, F.S. (filled) ...	1	1	11	
Lantern, tent, folding	1	6	10½	
Reins, driving, long... ... set	1	4	4	
In the Body.				
Equipment and Stores:—				
Baggage, C.O.	1	50	0	
Baggage, other officers ...	14	490	0	
Bag, tool, shoemakers (filled) ...	1	26	0	
Blankets, saddle (*a*)	12	63	0	(*a*) For officers' and off horses.
Boots, ankle, spare, assorted sizes (*b*) ... ... pairs	15	75	0	
Boxes, stationery, field (filled) ...	2	93	0	(*b*) Kilted battalions will carry Highland shoes in lieu of boots.
Buckets, water, G.S., canvas (*c*)	13	16	4	
Luggage saddle, with appurtenances and articles as at (*c*) and (*d*) page 39	1	43	4	
Mauls, G.S. (1 head, 2 helves)...	...	15	12	(*c*) 10 for battalion without travelling kitchens.
Posts, picket, 2½-ft., with rope loop	13	52	0	
Ropes, heel, large	2	2	8	
Shafts, for S.A.A. carts (spare) No. 1, near	1	38	0	(*d*) 2 additional sheets for battalions with travelling kitchens.
Shafts, for S.A.A. carts (spare) No. 19, off	1	58	0	
Sheets, ground (*d*)	479	1,257	8	
Shoes, canvas, assorted sizes pairs	25	50	0	
Surcingle and pad (*e*)	1	1	9	(*e*) For off lead horse.
Wheel, No. 159, for G.S. wagon, fore (spare)	1	132	0	
Whip, driving	1	1	0	
Load	...	2,479	1½	
G.S. wagon equipped (*cf.* page 35)	...	1,988	7	
Total loaded G.S. wagon No. 1	...	4,467	8½	= 40 cwt., about.

H.—G.S. Wagons for Baggage, Stores, and Supplies—*cont.*

(Baggage Section of Train—2 G.S. Wagons)—*cont.*

No. 2 G.S. Wagon.

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
In the Locker.				
Box, candle, F.S. (filled)	1	1	11	
Chain, draught pole No. 2 ...	1	4	3	
Handcuffs, common ... pairs	8	12	0	
Lantern, tent, folding	1	6	10½	
Reins, driving, long... ... set	1	4	4	
Strapped on Splinter Bar.				
Jack, lifting, G.S.	1	35	0	
In the Body.				
Equipment and Stores:—				
Baggage, officers	15	525	0	
Bags, armourer's small-arms (filled)	1	7	12	
Bags, armourer's, bicycles, containing tools and spare parts	1	24	13	
Bar, supporting draught pole ...	1	9	2	
Blankets, saddle (*a*)	1	5	4	(*a*) For off horse.
Blocks, tackle, G.S. 1½-in. cordage double ...	1	4	0	
Blocks, tackle, G.S. 1½-in. cordage snatch ...	1	2	7	
Boots, ankle, spare, assorted sizes ... ... pairs	15	75	0	
Boxes, articles for repair of harness and saddlery ...	1	36	0	
Boxes, with No. 2 clearing rod ...	1	1	2	
Brushes, harness, hard (*b*)... ...	20	8	12	(*b*) 16 only for Bn. without kitchens.
Buckets, water, G.S., canvas ...	12	15	0	
Chest, tool, No. 4 (filled with carpenters' tools and materials), and padlock	1	80	0	
Cordage, hemp, hawser, 3-strand, 1½-in. fms.	20	12	8	
Cordage, white, 1-in. fms.	36	9	0	
Cordage, tarred, spunyarn, hemp lbs.	14	14	0	

H.—G.S. Wagons for Baggage, Stores, and Supplies—*cont.*

(Baggage Section of Train—2 G.S. Wagons)—*cont.*

No. 2 G.S. Wagon—cont.

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
IN THE BODY—*continued.*				
Dubbing, 2-lb. boxes	2	4	8	
Flannelette ... ... yds.	350	11	12	
Linen, old, for cleaning arms lbs.	4	4	0	
Luggage saddle, with appurtenances and articles as at (*c*) and (*d*) page 39	1	43	4	
Oil, petroleum, lubricating pints (*b*)	50	69	0	
Picketing gear, mallets, heel peg ...	7	17	8	(*b*) Packed in:— Two 3-gallon drums. One quart oil bottle.
Picketing gear, pegs, picketing, with rope loop (spare)	12	13	10	
Pole, No. 17, for G.S. limbered wagon ... ... (spare)	1	38	0	
Rugs, horse (*c*)	4	44	0	
Sheets, ground	489	1,283	10	
Shoes, canvas, assorted sizes pairs	25	50	0	(*c*) Three only for battalions without travelling kitchens.
Shoes, horse ... ... ,,	11‡	33	0	
Surcingle and pad (*d*)	1	1	9	
Wheel, No. 43, for G.S. limbered wagon ... ... spare	1	178	0	(*d*) For off lead horse.
Whip, driving	1	1	0	
Load	...	2,686	5½	
G.S. wagon, equipped (*cf.* page 35)...	...	1,988	7	
Total, loaded G.S. wagon, No. 2	...	4,674	12½	= 41¾ cwt., about.

‡ 8 pairs for battalions without travelling kitchens.

H.—G.S. Wagons for Baggage, Stores, and Supplies—*cont.*

(Supply Section of Train—2 G.S. Wagons.)

No. 3 G.S. Wagon.

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
IN THE LOCKER.				
Balance, spring, 80 lbs. ...	1	3	11	
Box, candle, F.S. (filled) ...	1	1	11	
Knives, opening tins	3	2	4	
Lantern, tent, folding... ...	1	6	10½	
Reins, driving, long ... set	1	4	4	
IN THE BODY				
Equipment and Stores:—				
Blankets, saddle (*a*) ...	1	5	4	(*a*) For the off horse
Implements, butchers set	1	34	0	
Kettles, camp, oval, 12 qts.	6	51	0	
Luggage saddle, with appurtenances and articles as at (*c*) and (*d*) page 39 ...	1	43	4	
Mauls, G.S., helved	1	13	14	
Posts, picket, 2½ ft., with rope loop	12	48	0	
Ropes, heel, large	2	2	8	
Surcingle and **pad**	1	1	9	
Wheel, No. 200 (or No. 158 in lieu), G.S. wagon, hind (spare)	1	165	0	
Whip, driving	1	1	0	
Supplies:—				
Biscuits (*b*) ... rations	1,007	1,450	0	(*b*) In 20 cases of 50 lbs. net each, and 1 canister of 7 lbs. net, or 1,258¾ lbs. bread in lieu.
Cheese (*c*)	1,007	225	13	
Oats (*d*) ... rations	56	690	0	(*c*) 188$\frac{13}{16}$ lbs. net, in 3 cases of 60 lbs. net each, plus 8$\frac{13}{16}$ lbs. loose in wrappers.
Load	...	2,749	12½	
G.S. wagon equipped (*cf.* page 35)	...	1,988	7	(*d*) 8 sacks of 80 lbs. net, and 1 sack of 32 lbs., plus weight of sacks.
Total, loaded G.S. wagon, No. 3	...	4,738	3½	= 42 cwt., about.

H.—G.S. Wagons for Baggage, Stores, and Supplies—*cont.*

(Supply Section of Train—2 G.S. Wagons)—*cont.*

No. 4 G.S. Wagon.

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
IN THE LOCKER.				
Box, candle, F.S. (filled) ...	1	1	11	
Knives, opening tins	3	2	4	
Lantern, tent, folding... ...	1	6	10½	
Reins, driving, long ... set	1	4	4	
IN THE BODY.				
Equipment and Stores:—				
Blankets, saddle	1	5	4	For the off horse.
Kettles, camp, oval, 12 qts.	5	42	8	
Luggage saddle, with appurtenances and articles as at (*c*) and (*d*) page 39 ...	1	43	4	
Pole, draught, No. 7A, for G.S. wagon (spare)... ...	1	40	0	
Surcingle and pad	1	1	9	
Wheel, No. 27, for S.A.A. carts (and 2 washers, axletree, 2nd class "C" (point and shoulder, for S.A.A. carts) (spare)	1	230	0	
Whip, driving	1	1	0	
Supplies:—				
Bacon ... ... rations	1,007	344	0	4 cases, and 11¾ lbs.
Groceries—				
Mustard ... ,,	1,007	5	2½	12 tins of ½ lb. net., and 1 tin of 2 ozs. net.
Pepper ... ,,	1,007	2	7½	1 tin of 1 lb. net., and 1 tin of ¾ lb. net.
Salt ... ... ,,	1,007	33	7½	1 sack of 31 7/16 lbs. net.
Sugar ... ,,	1,007	194	13	2 sacks of 80 lbs. net and 1 sack of 28 1/16 lbs. gross.
Tea ... ... ,,	1,007	60	1¾	1 case of 30 lbs. net. and 1 canister of 9 6/16 lbs. net.
Jam ... ... ,,	1,007	367	6	5 cases each 50 lbs. net and 2 tins (loose) of 1 lb. net each carried with preserved meat.
Vegetables, dried ,,	1,007	202	8	4 cases of 30 lbs. net each and 1 canister of 5 1/16 lbs. net.
Meat, preserved ... ,,	1,007	1,210	3	16 complete cases of 60 rations each, and 1 case of 47 rations, or 1,258¾ lbs. fresh or frozen meat in lieu.
Load	...	2,798	7¾	
G.S. wagon equipped (*cf.* page 35)	...	1,988	7	
Total, loaded G.S. wagon, No. 4	...	4,786	14¼	= 42¾ cwt., about.

Section 7.

DATA ON WHICH THE TRANSPORT OF AN INFANTRY BATTALION IS CALCULATED.

Table A.—Ammunition.

I.—APPROXIMATE AMOUNT OF AMMUNITION AVAILABLE.

Where carried.	No. of rounds per			Remarks.
	Rifle.	Pistol.	Machine Gun.	
On the soldier	120	12	—	For the purpose of arriving *approximately* at the number of rounds to be carried in ammunition columns the number of rifles in an infantry battalion is estimated at 1,000.
With machine guns (service ammunition)	—	—	3,500	
In regimental reserve	100	12	8,000	
With brigade ammunition column	80	12	5,000	
With divisional ammunition column	50	—	5,000	
Total with field units ...	350	36	21,500	

II.—S.A.A. (·303-inch, Mark VII.).*

(i.)—Allowance :—

	Rounds.
934 rifles @ 220	205,480
11 pioneers @ 80	880
8 W.O. and S.-serjeants @ 25 ...	200
1 armourer @ 20	20
97 base details @ 120	11,640
2 machine guns @ 11,500 ...	23,000
Total†	241,220

* Battalion with travelling kitchens.

† Unless orders to the contrary are issued, service S.A.A. will not be distributed to individuals until the place of disembarkation is reached (*cf.* Mobilization Regulations). Local transport will be provided to convey the ammunition in bulk to the place of entraining.

II.—S.A.A. (·303-inch)—*continued.*

(ii.)—Distribution :—

	Rounds.	
917 men @ 120	110,040	
17 signallers @ 50 ...	850	
11 pioneers @ 80 ...	880	
5 W.O. and S.-serjeants @ 25	125	
1 armourer @ 20 ...	20	
Details at base :—		
3 S.-serjts. @ 25	75	
97 men @ 120 ...	11,640	
		123,630
8 pack animals @ 2,000		16,000
6 S.A.A. carts @ 16,000		96,000
28 M.G. belts @ 250		7,000
Total		242,630*

*241,220 rounds are shown in the mobilization store table, but when actually in the field S.A.A. carts and pack animals will be fully loaded.

III.—PISTOL AMMUNITION.

(i.)—Allowance :—

	Rounds.
29 officers @ 24	696
1 medical officer @ 24	24
1 base detail @ 12	12
5 rangetakers @ 24	120
Total	852

(ii.)—Distribution :—

Carried by 29 officers @ 12	348
„ 1 M.O. @ 12	12
„ 1 base detail	12
„ 5 rangetakers @ 12	60
1 box (300 rounds) in a S.A.A. cart ...	300
120 rounds in another S.A.A. cart	120
	852

B.—Tools (General Distribution).

The following list comprises only some of the most important of the tools carried by an infantry battalion in the field and does not include tools for opening packages nor tools forming part of *artificers' sets.

Detail.	Axes.			Crowbar.	Cutters, wire.	Hooks.		Implements, entrenching, pattern, '08.	Saws.		Shovels, G.S.	Remarks.
	Felling.	Hand.	Pick.			Bill.	Reaping, large.		Folding.	Hand.		
Available in 1st Line Transport.												
On the soldier	...	...	...	...	24	...	...	909	32	...	...	
Cart and wagon equipment:—												
1 Maltese cart...	1	...	1	...	...	1	...	...	...	...	2	
2 water carts	...	...	2	...	...	...	...	...	...	...	2	
4 travelling kitchens...	4	4	...	...	..	...	...	...	...	...	...	
In wagon loads:—												
No 1 G.S. limbered wagon, for tools	8	4	38	4	...	20	10	9	...	...	55	
No. 2	8	4	38	4	...	20	10	8	...	...	55	
In G.S. limbered wagon for machine gun ...	...	...	2	...	...	2	...	...	...	...	2	
Total in 1st line transport	21	12	81	8	24	43	20	926	32	...	116	
Available in Train Transport.												
Wagon equipment:—												
4 G.S. wagons...	4	...	4	...	...	4	...	...	...	1	8	
Total in train transport	4	...	4	...	...	4	...	...	...	1	8	
Total with battalion in the field† ...	25	12	85	8	24	47	20	926	32	1	124	

* Except the handsaw, which is included in the carpenter's tools.

† Battalion with travelling kitchen.

C.—Rations and Fuel.

Detail of rations and fuel carried in the field with Units, and in Army Service Corps Trains and Supply Columns.

How carried, normally.	FIELD RATION.				Remarks.
	Bread and Meat. Ration. 1¼lbs. fresh or frozen or 1 lb. (nominal) preserved (*a*) or salt meat. 1¼lbs. bread (*b*) or 1 lb. biscuits (*c*) or flour. 4 oz. bacon (*d*).	**Grocery Ration.** Tea, sugar, jam, salt, pepper, cheese and mustard (as detailed in Allowance Regulations).	**Vegetable Ration.** 2 ozs. dried.	**Iron Ration.** 1 lb. (nominal) preserved meat, 12 ozs. biscuit, ⅝ oz. tea, 2 ozs. sugar, ½ oz. salt, 3 ozs. cheese, 2 cubes (1 oz.) meat extract.	
On the soldier ...	(*e*)	(*e*)	—	1 (*h*)	(*a*) Packed in wood cases not exceeding 80 lbs. weight, containing 60 rations in (nominal) 1 lb. tins.
In vehicles for cooks or travelling kitchens ...	1	1	—	—	(*b*) Carried in sacks.
	(*f*)	(*f*)	1	—	(*c*) Packed in wood cases not exceeding 80 lb. weight, containing 50 rations.
In A.S.C. trains ... or In supply columns	1	1	1	—	(*d*) Packed in wood cases containing 60 lbs. bacon not exceeding 80 lbs., gross weight.
Total	2 (*g*)	2 (*g*)	2 (*g*)	1 (*h*)	(*e*) The day's bread and cheese ration issued the previous evening, less any portion consumed. In the case of arms other than infantry, this ration may be carried in the vehicle for cooks.
					(*f*) The day's ration (except bread and cheese) issued the previous evening, less any portion consumed.
					(*g*) Less any portion consumed of the ration carried on the soldier and in the cooks' vehicles.
					(*h*) A second Iron ration may be carried when so ordered by the C.-in-C.

Note 1.—No **fuel** will be carried normally, except for mechanically propelled vehicles and the wood of the ration boxes, which will be issued for kindling purposes and be supplemented by fuel obtained locally.

2.—**Reserve** parks, each with a carrying capacity of 2 days' Iron rations will be available for use if required.

3.—**Fresh Vegetables** will be issued when available.

4.—**Limejuice, rum,** and **tobacco** to be issued as detailed in Allowance Regulations, but not carried normally in A.S.C. trains or in supply columns.

5.—Rations for the day of entrainment will be carried as directed in Mobilization Regulations.

D.—Forage.

Detail of forage carried in the field with units and in Army Service Corps trains and supply columns for each horse.

How carried.	Corn ration 12 lbs.	Remarks.
On the horse	1 (*a*)	(*a*) The day's ration issued the previous evening less any portion consumed.
In A.S.C. trains or In supply column	1	
Total	2 (*b*)	(*b*) Less any portion consumed of the ration carried on the horse.

Notes.—1. The above scale of forage is applicable to a country where hay is available.

2. Forage for the day of entrainment will be carried as directed in Mobilization Regulations.

E.—Supplies Required for One Day.

The following table, which is inserted for the purpose of easy reference, shows the detail of supplies which would be required by a battalion for one day :—

Detail.	Battalion Headquarters.	M.G. Section.	One Company.	Battalion.
*Establishment personnel	81	18	227	1,007
*Establishment horses	31	5	5	56
Biscuits ... ... lbs.	81	18	227	1,007
Bread (in lieu of biscuits) ... ,,	101½	22½	283¾	1,258¾
Bacon ... ... ,,	20¼	4½	56¾	251¾
Cheese ... ... ,,	15 3/16	3 3/16	42 9/16	188 3/16
Groceries :—				
Mustard ... ... ,,	4/16	1/16	1 1/16	3 3/16
Tea ... ... ,,	3 3/16	1/4	8 1/16	39 6/16
Sugar ... ... ,,	15 3/16	3 3/16	42 9/16	188 3/16
Salt ... ... ,,	1½	9 ozs.	7 1/16	31½
Pepper	2 ozs.	½ oz.	7/16 lb.	1¾ lbs.
Jam ... ... lbs.	21	5	57	252
Meat, fresh (in lieu of preserved) ... ,,	101¼	22½	283¾	1,258¾
Meat, preserved ... ,,	81	18	227	1,007
Oats ... ... ,,	372	60	60	672
Vegetables—fresh (*a*) ... ,,	40½	9	113½	503½
Vegetables—or dried ... ,,	10 2/16	2¼	28 1/16	125 1/16
or				
Lime juice (*b*) † ... ... pts.	2	½	5½	25
Rum (*c*) † ... ... ,,	10	2½	28¼	126
Tobacco (*c*) †... ... ... lbs.	1 7/16 lbs.	5 ozs.	4 1/16 lbs.	18 lbs.

* Excludes A.S.C. drivers and horses of the train.

(*a*) To be issued when available, but not to be carried in regimental transport when troops are marching daily.

(*b*) Lime juice is issued when fresh vegetables are not supplied, or at the discretion of the G.O.C. on recommendation of the medical officer.

(*c*) Issued at the discretion of the G.O.C. on recommendation of the medical officer.

† Not carried normally in supply columns or A.S.C. trains.

F.—Signalling Equipment for an Infantry Battalion in the Field.

Detail.	Total per battalion.	Carried by Signallers		In tool wagons.	
		Signalling Sergeant.	16 Signallers.	In 6 panniers.	Loose.
Binoculars, in cases	9	1	8	...	...
Cases, message book	8	1	7	...	...
Compasses, prismatic, in cases	8	1	7	...	...
Cotton waste, white ... lbs.	2	...	...	2	...
Flags, signal, army, blue, 3 feet square	8	...	8	...	...
Flags, signal, army, blue, 2 ,, ,,	16	...	16	...	...
Flags, signal, army, white with stripe, 3 ,, ,,	8	...	8	...	...
Flags, signal, army, white with stripe, 2 ,, ,,	16	...	16	...	...
Flags, signal, army, poles, 5 feet 6 inches	24	...	16	...	8
Flags, signal, army, poles, 3 ,, 6 ,,	48	...	32	...	16
Heliographs, 5-inch	8	...	8	...	...
Lamps, signalling, "B"	8	...	...	8	...
Stands, lamp or heliograph "A"	8	...	8	...	...
Stands, telescope, signalling	8	...	8	...	...
Telescopes, signalling	8	...	8	...	...
Watches	8	1	7	...	...
Books, Stationery, &c.					
Books, signalling manual	9	1	8	...	...
Forms, army :—					
C. 2121 ... pads	15	1	8	6	...
C. 2123 ... ,,	28	...	3	...	...
C. 398	350	...	350	...	...
Pencils	Will be issued as required.				

All lamps are filled for service, a reserve of oil and wick for signalling lamps is carried in the supply columns.

The poles carried loose in the wagons will be tied in bundles.

The six panniers, packed, weigh 360 lbs.; the poles weigh 10 lbs.

G.—Spare Components of Vehicles.

Detail.		Number and description of spare components carried in				Method of carrying.
		No. 1 G.S. wagon.	No. 2 G.S. wagon.	No. 3 G.S. wagon.	No. 4 G.S. wagon	
Poles.	*Technical number* ...	...	No. 17.	...	No. 7A.	Point of pole under driver's seat and close to footboard, butt of pole resting on bottom of wagon, close to side and back against tail-board. (When a spare wheel is carried the pole is passed between the spokes.)
	Number carried ...	...	1	...	1	
	Weight	...	38 lbs.	...	40 lbs.	
	For which vehicles ...	...	G.S. limbered wagons.	...	G.S. wagons.	
Shafts.	*Technical number* ...	No. 1 (near).	...	...	...	Strapped to the raves.
	Number carried ...	1	...	...	...	
	Weight	38 lbs.	...	...	...	
	Technical number ...	No. 19 (off).	...	...	...	
	Number carried ...	1	...	...	...	
	Weight	58 lbs.	...	...	...	
	For which vehicles ...	S.A.A. carts	...	...	...	
Swingletrees.	The wagon equipment of each G.S. wagon includes a spare swingletree, No. 3A, 10A or 11, and this provision covers the requirements of the Maltese and water carts and G.S. limbered wagons, which use swingletrees of the same pattern as the G.S. wagon.					Strapped to shafts of Mark III G.S. wagons; under front of Marks IV to VIII** G.S wagons; carried in lockers of Marks IX to X*.
Wheels.	*Technical Number* ...	No. 159.	No. 43.	No. 158.*	No. 27.†	See List of Changes in War Matériel, February, 1912, § 15802 (except for No. 27). One block, supporting, is allowed per spare wheel.
	Number carried ...	1	1	1	1	
	Weight	132 lbs.	178 lbs.	165 lbs.	230 lbs.	
	For which vehicles ...	G.S. wagon (fore).	G.S. limbered wagons.	G.S. wagon (hind).	S.A.A. carts.	

* Or 2nd class, C, No. 200, for wagons fitted with 2nd class (hind) axletrees.

† Or wheel No. 24 or 25 in lieu.

(As to prices in brackets, see top of page 2.)

KIT PLATES :—
Artillery. Royal—
1. Horse and Field. Kit in Barrack Room. 1912. 2*d.* (2*d.*)
2. Ditto. Kit laid out for Inspection. 1903. 2*d.* (2*d.*) (*Under revision*)
6. Garrison. Kit laid out for Inspection. 1909. 2*d.* (2*d.*)
10. Ditto. Kit in Barrack Room. 1909. 2*d.* (2*d.*)

Cavalry. 1891. 1*d.* (1*d.*)
Engineers. Royal—
1. Dismounted. Detail of Shelf and Bedding, with Marching Order ready to put on. Detail of Shelf and Bedding, with Drill Order ready to put on. 1914. 1*d.* (1*d.*)
2. Dismounted. Full Kit laid out for Inspection in Barrack Room. 1914. 1*d.* (1*d.*)
4. Mounted N.C.O. or Driver and Field Troop Sapper. Full Kit laid out for Inspection in Barrack Room. 1910. 1*d.* (1*d.*)
5. Mounted. Detail of Shelf and Bedding. 1910. 1*d.* (1*d.*)
6. Driver, with pair of Horses. Field Kit laid out for Inspection on Parade including Articles carried in Valise on Baggage Wagon. 1899. 1*d.* (1*d.*)

Infantry—
1. Kit in Barrack Room. 1905. 2*d.* (2*d.*)
2. Kit laid out for inspection. 1905. 2*d.* (2*d.*)

Highland. 1884. 1*d.* (1*d.*)
Medical Corps. Royal Army. Kit in Barrack Room. 1912. 2*d.* (2*d.*)
Ordnance Corps. Army. For guidance at Marching Order and Kit Inspections. 2*d.* (2*d.*)

LAND WARFARE. An Exposition of the Laws and Usages of War on Land, for the guidance of Officers of H.M. Army. 1912. 1*s.* (10*d.*)

LARGE FORMATIONS. The Operations of. Translated from the German. (*In the press*)

LAW. Military. Manual of. 1914. 2*s.* (1*s.* 9*d.*)

LAW FOR THE RESERVE FORCES AND MILITIA. Manual of 1886. 1*s.* 6*d.* (1*s.* 2*d.*)

MACHINE-GUN. Tests of Elementary Training. 1*d.* (1*d.*)

MACHINE GUNS AND SMALL ARMS, ·303-inch. Nomenclature of Parts, Stripping, Assembling, Action, Jams, Missfires, Failures, and Inspection of. Revised Edition. 1913. 3*d.* (3*d.*); Amendments, No. 1. 1*d.* (1*d.*)

MAGAZINES AND CARE OF WAR MATÉRIEL. Regulations for. 1913. 9*d.* (9*d.*); Amendments, July 1914. 1*d.* (1*d.*)

MAP READING AND FIELD SKETCHING. Manual. 1912. 1*s.* (11*d.*) (*And see* Schools, Army.) (*Reprinting*)

MECHANISM AS APPLIED TO ARTILLERY. Notes on. Second edition. 1902. 1*s.* (11*d.*)

MEDICAL CORPS. Royal Army :—
Admission to. Regulations for. Jan. 1912. 1*d.* (1*d.*)
Standing Orders. 1914. 1*s.* (10*d.*)
Training. 1911. 9*d.* (9*d.*)

MEDICAL DEPARTMENT. Army. Index to Appendices of Reports from 1859 to 1896. 3*d.* (3*d.*)

MEDICAL SERVICE. Army. Regulations. 1906. (Reprinted, with Amendments, 1914.) (*In the press*)

MEDICAL SERVICE. Strategical and Tactical Employment of the, as carried out in an Army Corps; with a series of Problems. Translated from the Austrian. 4*s.* 6*d.* (3*s.* 4*d.*)

(As to prices in brackets, see top of page 2.)

MEDICAL SERVICES. Army. Advisory Board for. The Treatment of Venereal Disease and Scabies. First Report. 1904. 1*s.* 6*d.* (1*s.* 3*d.*); Second Report. 1905. 2*s.* (1*s.* 6*d*); Third Report. 1905. 1*s.* (10*d.*); Final Report. 1906. 6*d.* (5*d.*)

MEDICAL SERVICES OF FOREIGN ARMIES. Handbook of. Part I. FRANCE. 6*d.* (5*d.*) (*Under revision*); Part II. GERMANY. 6*d.* (5*d.*); Part III. AUSTRIA-HUNGARY. 6*d.* (5*d.*); Part IV. RUSSIA. 6*d.* (5*d.*); Part V. ITALY. 6*d.* (5*d.*); Part VI. THE NETHERLANDS AND BELGIUM. 1911. 6*d.* (5*d.*)

MEKOMETER Handbook. 1911. 6*d.* (6*d.*)

MOBILIZATION Regulations. 1912. 6*d.* (6*d.*)
Ditto. Amendments, July 1913. 1*d.* (1*d.*)

MUSKETRY REGULATIONS:—
Part I. 1909. (Reprinted, with Amendments, 1914). (*In the press*)
Part II. Rifle Ranges and Musketry Appliances. 1910. 4*d.* (4*d.*)
Amendments, April 1911, to Parts I and II. 1*d.* (1*d.*)

NIGHT OPERATIONS. Elementary Training in. 1911. 1*d.* (1*d.*)

NUMBER OF TROOPS TO THE YARD in the Principal Battles since 1850. Memo. on. With opinions of Modern Authorities on limits of extension at the present day. 1884. 9*d.* (7*d.*)

NURSING IN THE ARMY. Queen Alexandra's Imperial Military Nursing Service. Reprinted from "The British Medical Journal." 1905. 1*d.* (1*d.*)

NURSING SERVICE. Queen Alexandra's Imperial Military. Regulations for Admission to the. 1914. 1*d.* (1*d.*)

OFFICERS TRAINING CORPS:—
Regulations. 1912. 2*d.* (2*d.*) (*Under revision*)
Ditto. Appendix III. (*In the press*)
Ditto. (Inns of Court). 1*d.* (1*d.*) (*Under revision*)
Special A.O., March 16, 1908. 1*d.* (1*d.*)
Junior Division. Instruction for the Annual Camps. 1913. 2*d.* (2*d.*)

OPERATION ORDERS. A Technical Study by Hans von Kiesling. Translated from the German. 1*s.* 6*d.* (1*s.* 3*d.*)

OPTICAL MANUAL or Handbook of Instructions for the guidance of Surgeons. Third edition. 1885. 1*s.* 6*d.* (1*s.* 3*d.*)

OPTICS. Notes on. 6*d.* (5*d.*)

ORANGE FREE STATE. Topographical Survey of the, 1905–1911. Report on the. 10*s.* (7*s.*)

ORDNANCE COLLEGE (*and see* Artillery College):—
Advanced Classes. Reports on. Various. Each 1*s.* (9*d.*)
Dynamics. Notes on. Second edition. 3*s.* (2*s.* 5*s.*)
Officers' Mess (Royal Artillery) Management and First Principles of Book-keeping. 3*d.* (3*d.*)
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